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<223> Clone ID: jC-gmf102220081d06d1

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<400> 6747

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 aaaattcaag gtttttaaat taaaacctat atatacacgt gttttcatca cacgcgcgga 180
 caccagccat tggagtcttg tatagttagg ccaaaactca tggccaaaaa taggaaaaaa 240
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 ttgtagccaa acttcaactt attgcccttc aattgttctt tactgttgag ggtcccatca 420
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<210> 6750
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 gattgcttct aaaatgaatt gcactatcaa ctgcaactac acattccttt atacacaaaa 240
 aaataggcca ttcaagataa taacatggcc caagttacta ggtagtgga tggatccggt 300
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 ttccgaaagc agacagtata taaagtattt tgcgatgaaa aatattttca tttagtaacc 420
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<210> 6751
 <211> 522
 <212> DNA
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 <223> unsure at all n locations
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<223> Clone ID: jC-gmf102220081d09d1
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taaaacatgg agatgcagcg gatgaggagg ttgctgttac tgcggtcac atttgaaagc 240
gagggaatgt cccttgtggg tggaaatcac actgccggca ggttttgcac tcgctaaaac 300
aatattccac agcccgctag cctctgtctt ttctctctaa tgatctctac tttagcattc 360
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 aagaaaccta cgagggtgat ccttatgctg acgtggcaga tgagggtgtc cccactttcc 240
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081d10d1

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<210> 6755
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081d11a1

<400> 6755

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 acggcaagga ctaccaggag ccggcgcccg cgccgctggt tgacccgacg gagtttacgt 180
 catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
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 <213> Glycine max
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 ccaaacatta accctggccg ggggtgactct tttgggccac caggggaaac agatcaatgg 180
 ttgtcctcag tctatgacca atactttcat actctgaggg aaactcgtaa agtgatgtct 240
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<210> 6757
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 <212> DNA
 <213> Glycine max
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 <400> 6757

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taacaggagc	cacatccaag	cttggaagag	caattgctct	ctacctttgc	caaaagaaag	240
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<400>      6758
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ccatgaatga	agcactgacc	ctgtgatcat	cttaacatgc	cacaagccac	attacaaaat	180
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ccagaacccc	tttgaagaca	tttaaggccc	caactgcttg	agaagaccaa	cgggtcaacgc	420
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<210> 6760
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e01d1
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<210> 6761
 <211> 537
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
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 <212> DNA
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<223> Clone ID: jC-gmf102220081e03d1

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<212> DNA
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<210> 6767
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<212> DNA
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<223> Clone ID: jC-gmf102220081e05a1

<400> 6767

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 ccaagaaata tcttcacatt tgaatgaaga tactggagac agtcagatcc aagaaaattc 420
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<210> 6770
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e06d1
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 aataaaacga ctataaaaga gatgttgagc tatttttcca tggataagat gatcttcgcc 240
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 aaaacctaac taacttgga actattgtag cactttgcat tacgagggtc atatcatttt 360
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<210> 6771
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e07a1
 <400> 6771

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 tactaacgga acccaattgg aataatcttt catatcttcc catttcttc ctcttttggt 360
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<210> 6774
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e08d1
 <400> 6774

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 tagtaaccgg cttctaagct tcaaacactt tgtagcacia aacgcaatgc gagatcttgc 180
 atgctctcaa gaaaattaca ctgtaataata agacttactg tgctgttcat tgaccaagct 240
 ggtcccaatg ccaatgcaat atgcactggt gcaaaacctt cttgagatgt taaagaccgg 300
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<210> 6775
 <211> 531
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220081e09a1
 <400> 6775

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 aagctaaggg cacatcacia tgaaggcatt gattctgggt ggggggttgg gaacaaggct 180
 gagggcactg aactcagtt ttcctaagcc tcttggtgat ttgctaaca aacctatgat 240

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<210> 6776
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e09d1
 <400> 6776

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 gtaacagaaa aaacacatca tgagctcctg aaccaccttt atcgaccagg atcataagtc 180
 taaaacatgg agatgcagcg gatgaggagg ctgctgttac tgtggtcatc atttgaaagc 240
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 cgtcatcatc gtcattcttct ttgtgtttct ttctcttgcg agtcccctac acttgctttt 480
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<210> 6777
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e10a1
 <400> 6777

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gctggggtct tgcattcagg gcatgcggag ataattcttat tgcattgat ggacctagga 240
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 gggatctact cgctagaaaa cgttccggcc actgtgtcta taattgtgct gtgacgggat 360
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 attgaatgat ccatttacac aagattc 447

<210> 6778
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e10d1
 <400> 6778

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 atgtggagta catagttgtc aaggaaattt aggatgccaa agctagggac agatctgtta 180
 cagcagcaat tctgcgaatg cactctcacg attgttttgc tcgggggtgt gatgcctctg 240
 tgctgctaaa ggcacaacga agcaagagat catgaaaaga ctggccacca aatgtaagtt 300
 tgcatgccct ctatgctagt gaggcacc 328

<210> 6779
 <211> 558
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e11a1
 <400> 6779

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 agtgctccct ccgcggcgtc ggcgtcggcg acggtgttct ggtccctccg cggcgagaag 180
 tgtacgagga ggggcgaatc ttcgacatca cccacaggta tgtccccgag atgccggtgt 240
 gggactcgac ggaggggctc gggcagcact tcctgtggct cgaaaagagc atgaagaatg 300
 gctcgcgcg taacaactcc aacatgaagc tcggtgttca caccggcacc catgtcgacg 360

cgccccgtca cttttacgac aattactacg acgccggctt cgatgttgac tcaactcgacc 420
 taacactcct caatggcctt gcacttttgg ttgatgttcc acgggataaa aacattactg 480
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<210> 6780
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e11d1
 <400> 6780

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 accttttgac atttttttta ttgggctaag aaagttgggg caagggatga ttatgcaact 180
 gcagcttggg gttacaaaaa aacgaaggct tgaaaaaaa aaaaactcaa aaaaagcctt 240
 ttttgactca tgggtgaacct accaaatccc ctggattttg acattctttg gggccttttc 300
 tcccaaataa atgtcggacg ggtgaaaact ttggaacca cgcattacct cggcgggtctt 360
 aaggttgggc ttggagacac tgaaggggat tttccccttg ggtgatgagg gccttttgtt 420
 gttttccttg gaaaggtcct tcttatTTTT tctttcc 457

<210> 6781
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081e12a1
 <400> 6781

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 cctgctggag ttaataaggt cacatgctcc cttcaggctg atcttaagga cttggctcac 180
 aagtgtgttg atgctaccaa aattgcaggc tttgcccttg ccacctctgc tctcgttgtt 240
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tatgctactg gattggggac caatacagct acgacatgtg gttattgata agcaacagtg 360
taggatcgtc cagtgcttgc tccttacact cttg 394

<210> 6784
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081f01d1

<400> 6784

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tgccccgaca ccatggaagc tatttttttc gcggtccatg tcccataata acccagatcc 120
attataatca catttgggac tacataggct aacgatgcta aagatgatgg ggaacgatcc 180
cctaccaaac cgaaggagac tcacaaacgg gttgctgttc tggcttgggg atggaatatg 240
atgaagacga caacgagggg ttgacaatgg ggaagataat ggcgcatgca attgagaata 300
ccaaatggcc gg 312

<210> 6785
<211> 563
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220081f02a1

<400> 6785

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gtatattctg gagaccagtg tctacccaag agaacctgaa ttcatgaatg aactgagaga 180
gttgacagca aaacacccat ggaacatcat gacaacctct gcagacgaag ggcaattctt 240
gaacatgctc cttaagctca tcaatgccaa gaacaccatg gaaattggtg tctacactgg 300
atattcactt cttgccaccg ctctcgctct tctgaagat ggaaagatct tggccatgga 360
tattaacagg gagaattatg aattggggtt gccagtaatt aagaaagctg gtgttgacca 420
caaaattgaa ttcagagaag gtctcgctct ccagttctt gatgaaatgg ttaaagatga 480

gaagaaccat gggagctatg acttcatctt tgtggacgca gacanggaca actacctcaa 540
ctaccacang aggttgatag agc 563

<210> 6786
<211> 369
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081f02d1

<400> 6786

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gaaaaaagaa agaaaaaccc cccccccccc ctgttctgca aaaaaaaaaa aaaaggggaa 180
aaacccgggg ggtttaaaga ccatgagggg gggccccc aaagcaaaaa cacctaccg 240
gggggcacaaa aaacaccgg ggggcccgc cccgacatgg tcaaaaaaaaa aaaaaaaca 300
caacccggcc cccgggggaa attgggcccc aaccccccg ggggggagga gaaatttttg 360
gcgggggggg 369

<210> 6787
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220081f03a1

<400> 6787

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accagagcca gtgggtgata agcaaggga ccttttgag ccaggagtag ggtactacgt 180
gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagga acaagacatg 240
ccctctttat gttatccgtg acccttcatt cattggcacc ccagtttcat tcttagcacc 300
aggccttgac catgttccaa cactcactga tctaaccatt gatttcctg tggtgacagt 360
gtgtaaccag ccaacagtgt ggaggctcaa caaggtaggg tcagggttct ggtttgtag 420
caccagtggg gaccctaag atatcactag caagttcaag attgagaggc ttgaagggga 480

tcattgcttat gagatctaca gcttcaagtt ctgccccagt gtgcctgggtg cgctgtgtgc 540
tcctgtggng acttttg 557

<210> 6788
<211> 495
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081f03d1

<400> 6788

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gaagtctttt acggtctatc ttaaagctaa aacaaacaaa ggggaatcgg cagcaccgtc 180
attaaatagt ggatgtcatg caaaatctac aactcgtcct tgacatcatt atcatcggtta 240
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tcattcttct cctcaactgt tgcttcagga ctgatgtcca ggctagtctt cactgaatca 360
taaattccggg aagcaaaatc cttgggatca tcaagcagga agccgcttta aagagtgcag 420
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tctctcgag ctctt 495

<210> 6789
<211> 532
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081f04a1

<400> 6789

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caaaaccatg tcccacagtc atctaagttt cgcctttggg attctatgta acattgcctc 180
cttcgtgtgc tttctggcac cactaccaac attttataga gtttgtaaga agaaatcaac 240
cgaagggttc caatcaattc catatgtggc tgcactcttc agtgcaatgc tttggatctt 300
ttatgcctat gtgaagaccg gagaaacgct tcttatcacc atcaatgcat tcggttgctg 360

<210> 6792
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081f05d1

<400> 6792

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cccttaaagg ggtctttaaa gcaaaaatcc ctcccccccc aagacccaaa tttggggggc  120
cacggttttg cttttggtta aaccccccaa ggggcccccg ggggcccttc ccgcaagcaa  180
aaaaaagggt taattggtgg gggatggccc caaggaattt tgcccccttt tttttggggg  240
aaaaaaaaaa ggacctttat tgccccccct cccctttttt tagaaacaac aaaatttttg  300
ggccccctaa cgggggcaac cccaaaacaa aatggccccg aaggggaaagt cggggagggg  360
accttttttt                                     370

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<210> 6793
 <211> 507
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081f06a1

<400> 6793

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tgaacctcgg aggactcaaa gagaagcaag gtttgtgcgg ttgcttgcaag gtcaaggcaa  180
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cgtagtcgat ttcgcacgcc ccgaggactt ttataaatca gttacctgac tggagcatgc  300
ttctggccga catcaccacc gtgttcctcg cggcggagaa gcagtggatg atgctggatt  360
ggaagccgcg ccgccccgac atgctcattg accccttttg gattgggaag atcgtgcatg  420
acgggctcgt gttcatgcag aacttcccca taaggtctta cgaaattggc gcagacaaaa  480
ctgcgataat agagacctta atgaatc                                     507

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<210> 6794
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220081f06d1

<400> 6794

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 gcactcaggt tctatgaatt acttctccag tgtatgacct tctaagcagc agggacctca 180
 gtatcattat cagacagagc tggagcaggc tggatgcatt ctgtttcctc ctttggagaa 240
 tggattgtga caagatcggg gaggggagta ataggaccct gtttcccctt aggatcccaa 300
 tcaagcatga ccttcacctt aatgccaga acaccctgtc tgaggagcac atgttttact 360
 gcagagtcaa tggaatcttt gacaggttgc acaaaacaaa ttatgaaccg tccttaaaca 420
 tgataaaatt ggctctctgg gct 443

<210> 6795
 <211> 592
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220081f07a1

<400> 6795

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 ggcagcacag attccaatca aagatgacct agttgcaaatt gacgcagcac tggaacttgt 180
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 accaacagga accctgacca tggaaggtct cagattgaat acaaggggtg gcattcagta 420
 cttggcagca tggctcagcg gaagcgggtt cgtgcctatt tacaacctca tggaagatgc 480
 tgccactgct gagattagca ggggtgcagaa ctggcagagg ctcaagtatg gagtggagct 540
 agatggcgat gggcttggag agaaagtga caaagacctt ttcatttagt gg 592

<210> 6796
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081f07d1

<400> 6796

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 aagctcaaat atactatcct cctaaaagga ttagatgttg aaatacaagt tattccaatg 180
 aaagacaaac tctctcgagt gatagttcct tggatatctta gaaggagcct tattcaaaat 240
 tgaagctaca cttctgtggg caaacatgg gaacctacta acaaggacag tagccaagaa 300
 ggagcgtatg tttctaattt aggcattgact aagccaatgc cttgtcctta gaaagctctt 360
 ctgcggtcaa gtccaacttc tttcttgaga actcatcaat gggaagtcct tgaactattg 420
 tccattcccc attggcacia gtgacaggga atgaatagat cagttcagct ggaacattgt 480
 gggaaccata agaataact cccattgaca ccc 513

<210> 6797
 <211> 439
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081f08d1

<400> 6797

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 cattctattg ttacatgtat tgagtactgg gggagccatg tattttacat atagcaaagt 180
 gggatgatgt ctgcttcctc cattgtaaca cagcattgca aaccgatacc cttctgtccc 240
 caaagatggg agcattcctc ttacagcgcc tttggataat cagcccagaa atgagctatc 300
 catttatacg aacgtgccat cttctatggg tgccttctcc attatgatgg tgattcctga 360
 tcgaatgtct aatccatctt ctgggtctatc tgcttctaga accccatctt tgtttgcgat 420
 gatgacatct ttgccgatc 439

<210> 6798
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220081f09a1

<400> 6798

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tccccaacag agctatccct tgagaagctc ttccgaccgc cggagaccac cgtgtccctc   180
gaaagatcca gagtcttgaa cggtttcaac attgtgctga gttactacgc caatgatgct   240
cagggtgtgc aagccgagtt tgtgaaaagc agtgtgaaga tcgaggattg tcccttcgat   300
ggacttcctg aggtcactat cgttggccgc tccaacgtct gaaaaatctt gtcctcagc   360
tccctaaagc gccagaagaa gtcgccttg aattcgaaga aacctgatag ggcttggaga   420
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<210> 6799
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220081f09d1

<400> 6799

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tactatctta cccttagaca taacaatatc atctagctag ctagctagct agcanatagc   180
attgttaaaa aaccaaccac aaccagattg gcctgagccc attgtccggg ttcagtcctt   240
atccgaaaac tgcgaagatt caatccctga aaggtagatc aagccttcta ctgatagacc   300
atccataaaa agttgtgatt ttgatgatgc caatattcca atcatcgacc ttgggggact   360
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<210> 6800
<211> 547
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081f10a1

<400> 6800

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catcttaacc caattctgct ctttcttttt agtcttttac tatgcagtct cttgttattt 180
ctgttcctta attccgcgcg taggtacaac atttcacgcc gcttaacgtt agggtttcaa 240
atgtgacaga tcttgccaat tcgttttttt ctttctccc tgctttttaa agcacttcgc 300
cgattcgggt aaagactttc taaatccaaa atttcacggg aagcaacgat aatttcggcg 360
acgggatttt caaaaccgt ccccatctgg cggacgtcac gaatcttcg gccaaaagg 420
cgttatcttt ggttttcggc gacgggtggg acttgacgtt caccaagaaa attcgcttat 480
gggtggaaaa gtttgacaa gggaaaagcc caatgcaatt tggggcacat gcctacctta 540
acaacga 547

<210> 6801
<211> 417
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081f10d1

<400> 6801

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actttgatca gcaacaatgg caacctactg gagccatgct aagaaaacca tcccttcttc 120
cttggggaaa ccagttactg ttagtgccaa aacaacatca ttatacctca cactctcaat 180
taccatacct gtgttaccct tcagctgac aaaccactct ctcaccgaaa accttaagct 240
gaactccact ttgccacact tttgcttgtc ttacgttccc aagaaatctt tcaattgtag 300
aagccaggct gagcctgttg actctgaaaa agtccaagag ttgactgtgt atgatatcat 360
cgagcgtgac cgaggaagcc ctgtttatct tcgattgagc tataaaagtg tcaattc 417

<210> 6802
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081f11a1

<400> 6802

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 ccaagtcaaa gtatccagtt cttcaattag acttgagatt gatatcagat ctgcgagttg 180
 tcattggctc tgcaacctgt ggtggcattg cctttgcttg tgctggacaa ccggtgatga 240
 ctggatatct gctagcacga tcaatcattg gacctggagg tttgagtttt gttagtgcga 300
 tggccaagt tgagacagtt gctcaatttg gtgtcatctt tttgctcttt gcattgggct 360
 tagagttttc aacaacaaag cttttagttg ctcgggcagt ggctattctt ggaggcctac 420
 tccaaatttt cttatttatg tgcttggtg gaataacagc ttcattatgt ggtggtaaatt 480
 catctgaagg aatatttggt ggtgcatttt ta 512

<210> 6803
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081f11d1

<400> 6803

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 ctgtggctcg cttttttgtc tgcttctttt ttatttatct gaaaaaaggc ctctcagccg 120
 gggttgacag aaacacgcta tatacgtgag aagccaatga gagctcatgc aaggtaacag 180
 gtacactaac aaacttagaa gggggctaca acggatggtc gggagcatga gcgacaacaa 240
 tgactgctgt ggaaggcatg cttattcacg aggaattgtg gcttacacaa cggctgggac 300
 ggctcaatta agagcaaggc ctctgaacg ctttaagtat tcccatttct tgagaatggc 360
 accgccgccc gccgatctgt tgttgaggca ctggaacctt cctctatgtc gacagcagca 420
 actgtgtccc gagctccgat tattgtgggc aaaacgtttt cactgaacgg atccaccatt 480

accCGGGGGG tcggtgtgac aatg

504

<210> 6804
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220081f12a1
 <400> 6804

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 acccaagacc gctccaacca gaccatcggc tcggacctcg atggcaccct tcttgtgatc 180
 ccggagtgcc tccccctact acttactcgc cgccctcgaa gccggcagcg tcttgcgagc 240
 ctttcttctg ttaaccttcg tcccgttcgt ctacttcacg tacttcgagc tcttcgaagc 300
 cctagccatc aaaaccctaa tcttcataac ctgcgcgggg cttaaactaa aagacgtcga 360
 gctcgtgtcc cgctacgtgc tgtcgagggt ctacgccgag gacgtgcacc ccaccacgtg 420
 gcgcgtgttc 430

<210> 6805
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220081f12d1
 <400> 6805

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 gtgcaaaaaa gatattcaaa tggactttga aaagatgggg gggagggttta gcgtaaattt 180
 tgggactgac ggtttcccat aaactttaat aggaattgat gataataaca atgttcgtaa 240
 gctgcaattt agagggggga ataaacacaa ccattcgttt tccctctaatt attggtaaac 300
 gcttcggaaa acaacttggg agatcaagac acttaatccc cccacgggat ggacagatga 360
 atcaaattcg tctatttcga atttcgacta ctctacttat atgg 404

<210> 6806

<211> 530
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g01a1

<400> 6806

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ctacgccgac gtgactccga gcaccgccga gaacttccgc gcgctcttga accggcagaa 180
ggcgccccgg cggagcggca agccccctca ctacaaaggc tcgtccttcc accgcgtgat 240
ccctaacttc atgtgccagg gcggcgactt caccgccgga aacggcaccg gaggcgagtc 300
gatctacggc gccaagtctg ccgacgagaa cttcgtgaag aagcacactg gtccccggcat 360
tctctccatg gcgaacgccg gtccccgaac caacggatct cagtttttca tctgcacgac 420
gaaaacggag tggctcgacg gaaagcacgt cgtgttcgga caggttcgtg aggggatgga 480
cgtcgtcaat gagatagaga aggttggatt cagcttcggc aggaccgcca 530

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<210> 6807
 <211> 415
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g01d1

<400> 6807

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ctcataacag actccattca ctctatgaac gaaccacatg atcccgatat tttagaacgg 120
aacggaagga tccaaagggg aagggtttcc aaatgatatc cataacaccg caagccccta 180
aacgacatgg gaaagagaaa aaaaaggga aaacgacccc gaaagaaacg gctcattgag 240
agccaccgac acaaagataa aagcctaggg tcaacgtcgt ctatctaaga gagatgacca 300
cagacggcga cgactacagg cttggcggac ctgccggaac tggatccgac cttctatatc 360
tccttgacga catccatccc ctcgacgacc tgttccgaca ctaagtgctt tccgt 415

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<210> 6808
 <211> 487
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081g02a1

<400> 6808

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 cagagaatgg ctgggactgt gagtgaggag tatggagtgt gaaagtccgc ggcgggtatt 180
 tcaaatgggc agcgtcgtca atctggggaa gcattggcag agtggcggtc ttctgagcag 240
 gtcgagaatg gtatcgagtg cacttcccc cttactggg aactgatga tgaagatgat 300
 ggaccacaac ctttggcatt atatggaaga tctacgggga agatagaaaa gttttctcat 360
 attaccaaag gggaacttcg ctctagtgc tttgaggttg gcggttacia atggtacatt 420
 taaatctatc cacaaggctg tgatgcttgc catcatctct cgggtgttgc ggtgtagcta 480
 atcatga 487

<210> 6809

<211> 391

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081g02d1

<400> 6809

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 tgaggacacg cttcgttaacc ctttaaggac cacttgatgg cctgaaaaca gtataaccat 180
 tgacaccaca tgctttatct gagtaatcgg gggaggatcc ataactataa ttctgtgggg 240
 ttgtcatacc taaaggcaac agatcagaac ccgccacctg ccattgggtt ggaatcaacc 300
 catcgacctg gccattgacg ccaggcacac cactaaccgg tggaatataa tccctcaggg 360
 aatgataatg cccaccagac aagccatacc c 391

<210> 6810

<211> 553

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220081g03a1

<400> 6810

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 aataattgtc ttcatttcat attagctgcc tgctgcgact tccttatgca taattttact 120
 gtttatagaa attgtgaagc tatactgttg taattgtcat gtaaattggt ccctttttca 180
 tcttacttga tttggtaaac tccggttact tgtatccaaa taagatgggc catttgtatt 240
 gcgggggctt tgtataattg tacaattatc tacttgtgaag aagttcagat tcgggcgaca 300
 acatttgtaa tgcagaatta ggtcattaac attgtaaatc ttctggcgat gattggaata 360
 tcaatgtgaa gacgctatat gacttctgct atgacaatat cattgtgggt gtcaaggat 420
 ttttgaagaa atatcgtgga ttacaaaga atctggtag gcttctacaa ttctttaagg 480
 tgaagataac ttcggctctt tacacaagca tagaatgata tttnttcttg gtatcaagtt 540
 attcagtatg tat 553

<210> 6811
 <211> 354
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g03d1

<400> 6811

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 acatgccacg agatccatct attatggatt gatgttgcac tctcgcaa atacaaagatc 180
 atagtcaaca tactttgtcc aataacctcg gaacttgga aaacttatct caagccacgg 240
 tttcatgttt gcattgtagt gtataacagc agcaaatttc cttgtcctca aaaacaactt 300
 tagtaaatat taaaaggaat gggcgggcgc tggcgatcta aaactagtct cgag 354

<210> 6812
 <211> 542
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g04a1

[illegible]

<210>	6813
<211>	433
<212>	DNA
<213>	Glycine max
<223>	Clone ID: jC-gmfl02220081g04d1
<400>	6813

<210>	6814
<211>	401
<212>	DNA
<213>	Glycine max

[illegible]

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cgtaccaat	aacgaggact	ttgacctga	tacacgctc	aagaatcatg	cattacacaa	180
atatgatagc	gtgccagcca	ttcaattgac	ctttgcctcg	gggacacaca	cgcgagtact	240
atatttagac	aaaacgactg	ttaccacatc	gatgaacatc	gacctgact	gttaaacgat	300
ctaggagcga	caccggcgaa	tcttgaaatg	cactccgagg	agggcctcat	aggatgaaca	360
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<210>	6815
<211>	388
<212>	DNA
<213>	Glycine max

<400> 6815

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attatacgct	cattcttcac	acggggagaag	gaagggaagt	tttttgttca	tgaataaacc	120
gccccgatag	actaaaccat	gcgccttcat	tgttttagact	ttagcgcaag	gatggcacct	180
tgccgcttgg	aaacatatgc	atgggtatggg	ccctatgaag	ggccattcct	ggtcctctct	240
ccatgataac	cattcccttc	ccttcttcac	caacctttca	ttcaaaacac	tgaatcattc	300
caactccggc	gttggggatc	atctgcatag	ctagtgaagc	acccgggcag	cttgttctcc	360
cagctccgaa	tgacaaaagt	tcaaaatg				388

<210>	6816
<211>	408
<212>	DNA
<213>	Glycine max

<400> 6816

gagaaaacac agcgtatcgt tgtttttaat gagatggaac aactaatgca cgggagactt 60

gatgggaatg gcttaaaaag gcatggatta tataatggaa aggggttcagt catgccacaa 120
 ggtacacgct ttctgtttct ttgaccataa tggcggcagc aaaatctttg tattacataa 180
 atatgatggc gtgcgatccc tcccatagtc cgttgctacg gtgacataat tgctccatct 240
 ttcttcagaa aatgcaactg tctcacaacc aaggaagatg gattttctacc gattcacgct 300
 ctgcgaggtc gaccgtgcgt ttcttgaagc tcatgatatg ggggcccttc tacgatggac 360
 tctattcatg tctgccccag acacttttaa tgactaagat tgtctgag 408

<210> 6817
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g06d1

<400> 6817
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 tctcttggat cctacatatt tatacattcg ttcataaatg agatgatatt atcttgtaca 120
 cgttcataac agacacgagt gggataatta agtactcata tacatgatac tcataatagt 180
 acatcgcaat cacaactttt ttctgctggc cgttcaaacg gctocagata ctatcaatgt 240
 cctaaatcag tagagggatg togatcaatt ttccacacca atgttttaaa cccagagatg 300
 ctacagttga taaggtgaag ggttccttcc ttccgga 337

<210> 6818
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g07a1

<400> 6818
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 ccgtttgcag aacatcccat aaaagcttag cttgtattca gtttctcttc tcccaacggt 120
 tttgtcgcta gtaacagaat attacaaagt aacggctttc tcagtggagc gcttgatttg 180
 gggtgggtggg tcaacttcaa gtttcaattt ttttttcatt tttgtctggt cgattgagaa 240
 ggctcagttg cagagacggt ggggggtggga aggttatggc tttttgcca attttttggt 300

gcggaatag ttcggatcgc aaaggacgag ggaagaaaca acctccatgg cgggtgtttt 360
 ctttgaagga attacactcc gctacaaata atttcaacta tgataacaag ctcggcgaag 420
 ggggattcgg cagtgtgtac tggggccagc tctgggatgg atcgcaaatt gcagtgaaaa 480
 gattgatagt ttggagcaac aaagcagaca t 511

<210> 6819
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081g07d1
 <400> 6819

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 aacactacaa gatatggaac atgtctttga caacaaacat tgcacacaag aaaaactagg 120
 cactcagcta ctatgaagaa cttctacagt gtataacttt tcacgcacac agggacctta 180
 atatcattag cagccaaaac tggagcaggc tggatgtatt cttcttcta ctttggagaa 240
 tggattggga caagatcagg gaggggagtt ctaggaccct gttttccctt aggatcccaa 300
 tcacgcatga atttcatctt aatggctaga acaccctgtt ttacgagcac atgtctcact 360
 gcagagacaa tggcatcggt gactgggtgt ccagaagaaa tcatgtcacc atccttaaac 420
 ttcatagatt cgggtatctg ggctttgacc tgaacactta caatgacctt gc 472

<210> 6820
 <211> 534
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081g08a1
 <400> 6820

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 aaggacagta agcctatcca actgaaacaa ggtaatgaaa taaccatttc cactgactat 120
 gacctaaagg gtgatgagaa gacgatttgt atgagctaca aaaagctgcc tgaggatgtg 180
 aggccctggga tggtcatact ctgcgcggat ggcacatat catttacagg tttatcatgt 240
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caaggcagca cgacttggga tggacaaaa cccatttcaa ttgttgggtg tactggtaca 300
aatggaactc agacactaca tattgcggca gacaatccac ataagtataa agtttgtggca 360
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<210>      6823
<211>      497
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220081g09d1

<400>      6823
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<210>	6824
<211>	225
<212>	DNA
<213>	Glycine max
<223>	Clone ID: jC-gmf102220081g10a1
<400>	6824

<210> 6825
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g10d1

<400> 6825

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 agatcttcga tattctgccg atctcccatg tatcaacgtt gggaaaccaa aaaggccaac 120
 ttacattcct cttgaggtcg tgccaatgag tttcagaaat gaattgcatg gtccacgcca 180
 aaatctacga cattggtaca acagctgcta catgagacaa ggagcactag ccatacacia 240
 ggcaatccca aatttagtta atgtgtaatt ctggaatatg gcttctgaaa caataaagca 300
 aaaattgggt tttactggaa gtgaagaagg aaaacttgca ccaattgggtc aaagctttgc 360
 cgaggatatt ggagttcttg agtgctgaaa taagccgaac atcattgggtt ggtattgtca 420
 aatatatatg ttagtctatg cttgaagaag tgattttttac aggaggctgc aaatattg 478

<210> 6826
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081g11a1

<400> 6826

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 ggggtgcagat aaaatgtgaa ccaggacggg acgagcgcac gtgaacaaac accttctgtc 120
 ttacataacc ggaaaccacc ttaaacacgc agatgtcatg ggccttgact gactcgtttg 180
 ggatcatagg accctcttcc ctccaaacaa acgtggtgag ccaactgcga tgattaatga 240
 ctgtaaggac cctgtatcgc tcgcttcaag aggattg 277

<210> 6827
 <211> 594
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220081g11d1

<400> 6827

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tcaatccaat acacagcaca caggaaaaag gcccacaaaga cctttttacc ctatgtgaaa 180
gaggggttctc ctgtcttgga aacaaataaa aaaattcaag gtttttaaat taaaacctat 240
atatacacgt gtttacatca cacgcgcgga caccagccat tggagtcctg tatagttagg 300
ccaaaactca tggccaaaaa taggaaaaaa tatataaaca gctcccgcaa agaaaaacca 360
agaaaaagaa aaatcacacg tacacacttc attggcacgc accagaaccg actgcacacg 420
tgccaatacc caacaaaaaa agtccacgag ttgtagccaa acttcaactt attgcccttc 480
aattgttctt tactgttgag ggtcccatca aagtagtagt aacgtggatg atgaagaagc 540
agtgatgctg gccaaagaaat gaagctttgc ttgacttatg aataccatga tatg 594

<210> 6828

<211> 473

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081g12a1

<400> 6828

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ccggcgacat ctccggtcag gttccggcag cctctccggc gactcggcat ggcaactcaa 120
tgaatgcgga atcaccgccc gggctcctca tgtcggcttc ctgcctctcc gactacgacc 180
tcctctgcgg agaggactcc tacggaatcc tctccggaga gtcgccggag tgctccttct 240
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cgagcttcat cgagcacgag cgcaacttcg ttccgggatt ccagtacctg acgcgggtcc 360
aatctcgctc cctggacgcc aacgccagag aagaatcact tggatggatt ctcaagggtac 420
acacgtacta tggcttttag cctttgacgg cgtaccgtag ccgaaactat atg 473

<210> 6829

<211> 466

<212> DNA

<213> Glycine max

[illegible]

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agggttctcc	tgtcttggga	acaaagaaaa	aaattccagg	cttttatatt	accacctata	180
tatacacgtg	ttgacatcac	acgcgcggac	accagacatt	ggattccaga	atgggttagga	240
ctaacctctg	ggcccacagt	atgatttaat	ctctaaacag	ttcccgcttc	gaaaaaccag	300
catgaagaaa	aatcacacgt	acacacttga	ttgtcgcgca	ccataaccga	ctgcacacgt	360
gccaataccc	aactaaaaaa	gtccacgagt	tgcagcccaa	cttcaacgta	ttgcccttca	420
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<213> Glycine max

<400> 6830

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gataatgact	ttagagacag	tggcactaac	catagatagt	atatcttgac	atattcttgt	180
ttcaacagtc	aatgggtgtgt	gccagcttta	ttgtgcctat	agttatggaa	ttgcttactg	240
gctcctctca	accagaaata	tgatgttgct	tacatccact	tacatggtaa	tggcatgggtg	300
cacacaacca	aaccatcatt	tggcagtgaa	agtggacagt	cgaataaaaa	tgtataccct	360
atTTTTTggc	tatttgaggc	tgtatagcgt	taatttatag	tctgctTTTT	gtatcataga	420
tagtagccgt	tactgggtat	agcttgaatt	ctttgtagga	ttatatagca	tagcttcata	480
ttatagaaat	caattccttt	canggaaaaa	tggaatcggt	tgagtaag		528

<213> Glycine max

<223> Clone ID: jC-gmf102220081h01d1

<400> 6831

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 tatacccagt aacggctact atctatgata caaaaagcag actataaatt aacgctatac 120
 agcctcaaat aggcaaaaaa ataggtatac atttttattc gactggccaa cttcactgcc 180
 aatgatggt ttggttgtgt gcaccatgcc attaccatgt aaggggatgt aagcaacatc 240
 atatttttgg ttgagaggag ccagtaagca attccataac tataggcaca ataaagctgg 300
 cccacaccat tgactgttga aacaagaata tgtcaagata tactatctat ggtagcgcc 360
 actgtctcta aagtcattat acttggccgg taagcgagct gtt 403

<210> 6832

<211> 508

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220081h02a1

<400> 6832

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 ggtggaatat cgggcttttt gttttatttt ctgataatat tcgcttcggt ttgggccggg 180
 aactcgttcg tgacgtttct ttcgggggtg gtgcctcagc tgatgctggg ttacaccatc 240
 gtggttgcca ttctggcata cttcttgctc ttcagtggct tcttcattaa cagggatagg 300
 attcccagtt actggatatg gntccactac ttgtcgttgg tgaagtaccc atacgaagcg 360
 gttctgcaga acgagttcga tgaccccgtc aagtgcctcg tgaggggtgt tcagatattc 420
 gataacactc cgcttggtc gggtgccgag cctctgaagg tgaagcnttt ggagaccatg 480
 agcagcacgc tgggaacgaa gatcacca 508

<210> 6833

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220081h02d1

<400> 6833

aaggggcaat gattaaatgc atcaaataat attaaatgaa aactttcttt tttgggaaca 60
 atattaaata agaactttac tttaagcagt tgaggattga cgagtgtttg aatgcttgta 120
 gcaagcaaat atttaaggaa gtagtaaaaa agattacaat gtttttttag cagaatacca 180
 acaatgcatg cagttggcaa gaacagaaca aattgattaa aaaaaaaaaa aattgcccaa 240
 atacaatccc gggagctata gcaacaaggc aatctaaca caacatgatg atgatgatga 300
 tgatgatgat gatgatggcc anctcctttt gttcttgctg cccagtaaca atgacaaata 360
 gaagaggaac ctaaagaaga atccccaagc caccgtgatc cagaagcagt tccact 416

<210> 6834
 <211> 374
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081h03a1

<400> 6834

cattggagga gccttcctc gtttcgaccc aatcaccaaa tgtagcacc aagaccgcta 60
 caaccatacc atagcctggg accgcaatgg caccctcctt gtcgcccga gcgcctatcg 120
 ctactacttc ctgctgtcc tcgaagacgg cagcgattta cgagccctac ttataataac 180
 ctccgcccc ttctgtact acacgtactt ttgactctcc gaaaccctag ccatcaaaac 240
 cctaatacatc ataaccttgg cggggcttaa actaaaagac gtcgagcacg tgtcccgctc 300
 cgagctgacg aggttctact ccgaggacgt gcacccgacc acgtggcgcg tgctcaactc 360
 gttcggaggg aggc 374

<210> 6835
 <211> 410
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081h03d1

<400> 6835

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tagtaaaaac ctctgtctca tgctgtttta tcttctcttc cagatccaat tctctctttt 120
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 aaattgtgat tcgctgttcc gggttggggt cgaggagctt ggtgatgacc ctccgcgcct 240
 cggaggagaa ccacggcgga cacttgaagt caccgcggtt aatttttttg tacaaggcca 300
 ccaggttgtc atcctggaag ggtaaaaaac cagcaagaag tccgtagagg attacgccac 360
 aagaccaa atcggccttg gcgccgtcgt agcctctttt cccaatcacc 410

<210> 6836
 <211> 562
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081h04a1
 <400> 6836

gactagtgtt attctccggt ggctccttcc ttccttcgcc atggcgttct acgtgctctc 60
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 ttccagatcc ttctcctctt ccttcaggga agaaagagat acctttggac ccattcaagt 180
 tccctccgac aaattatggg gagcacaaaac tcaaagatcg ttgcagaact tcgacatcgg 240
 tgggccccgc gaacgcatgc ccgaacccat cattcgcgct tttggcgctt tgaagaaatg 300
 cgctgctaag gtgaacatgg agtatggctt tgatcccatc gtgggagaag caataatgca 360
 agcggcacia gacgtagccg agggaaaact aaacgaacat tttcctctcg ttgtatggca 420
 aactggcagt ggcactcaaa gtaacatgaa tgctaacgag gttattgcaa accgagcagc 480
 agagattctt ggccataagc gcggtgggaa gtctgtgcac ccaaatagacc atgtcaatag 540
 atcgagctct tctaatagata ca 562

<210> 6837
 <211> 126
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081h05a1
 <400> 6837

aatcaaagca agcttctgca tgtttattat gccaggtatc aacaagtcac tgggagacaa 60

0953113.03200

gatggctatc tctggagaag gccctgatga aatcctagga gggtttctat gtttgcacaa 120
ggcacc 126

<210> 6838
<211> 60
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081h05d1

<400> 6838

aaaaacgatg gaacaatccc ccagcttttt gaattgaagg atctgggaac agaaaaatcc 60

<210> 6839
<211> 605
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220081h06a1

<400> 6839

ctccagcata cccttttggc cggagatgag taatagtaat tgggtgttgg attatgatta 60
tctagacaac attcctctca ccacccttga accaccaat ttctcttggg cttcctcctc 120
tcctcctact aactcagtg tggagctaga tgactcattt ggaatgttgg atggtctcaa 180
ggaaaacagg tcaagacaac gtttgaggcc atctgattct aaagcatgta gagagaaaat 240
gcgaagggat cgacttaatg acaggtttat ggaactgggg tctatcttgg accctagaaa 300
gcctctcaaa atggacaagg ctgttatatt aagtgatgca gtctgagttg tttctcactt 360
acgagaggaa gctcaaaagc tgaggggagtc cactgagaat ctacaagaga aaatcaatgc 420
attgaaggat gagaaaaatg agcttcgcga tgagaagcag cgactaanag tagagaaaga 480
aaaccttgag cagaagggtta aatgcttgag ttcacaacct agctcttctg ctgcaacaaa 540
gacaagttgt tagcagcaag ctggtgccat tcatgggcta cccaagagtt ggcatgtggc 600
agttt 605

<210> 6840
<211> 165
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081h06d1

<400> 6840

aacaatccat atcacacgtg gatttgtatt agagctgaag agggctctct attgcaaaga 60
tacctcaggg gccttgtatt gtcctgacta acattatggt catcttgccc gcaaagaagg 120
ctttgaacct ctaactacta ttgctaactc ttgaacgtaa cataa 165

<210> 6841

<211> 531

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081h07a1

<400> 6841

ccgcgatatc ccatacgcga gcagcctagt caatagtcaa accccactct catctctgca 60
accaaaaaat aaagcgaggc cgaaaaccat ttgaaccaa tttatttatt tatttaaaaa 120
agagaaaaac ccactctctg gactaccac tggaataacg acatctccgc tcgaaatcac 180
ggttcttcga ttcgactcag ctatggcgag cttgactcgg agatcactgt ctcaactcgg 240
aactatatta tcgatgaaga aaattccggg ttggatcca cctttctttt cagctattac 300
ttgctcctag tgttgcttca gccatctctc gccgttgatt tcgtccaaat cccctagatc 360
tgagccgtta gggggcaatc aacggcggtt gtcatgtcaa ttggtatata gaaaaagggt 420
caaggcttgg tgcagaaatg gatgctcata ttatcttgct tggatattgt gattgaggct 480
ggtgaaaatg ataaaacaat ggagccccct tctttatatg attctggatc a 531

<210> 6842

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081h07d1

<400> 6842

ggggattgga ctggctttgc cattatcatt tcctttaaat aatgccacgt tgggcttatt 60
tgaaatagaa taatatgggc cacccaacat tcttgtaaag agaggctaac acgttacatg 120

ttgcactaaa ctcaagagtc aaactgaatt ggccacaata aattgcatct gcctagg 177

<210> 6843
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081h08a1

<400> 6843

gggtaccact accacctttc cgccttcagc cgtttcaacc accagcaaatt ggctgggctt 60
 cgtggcgccc gtgtggattc aatgcatctc cggaacaac tacactttct caaactactc 120
 cgacgccctc aaatccctca tgcaccttac tcagctacaa ctcaacaacc tctccgtcgc 180
 taaagacgtt ggcaaagcct ttgggcttct cgcgggcctg gcctccgacc gcttaccac 240
 ttggggcatt ctactcatag gctccgtcga aggcctaatt ggctacggaa cccaatggct 300
 cgttgttagc caaagaattc aacccctccc ctactggcag atgtgtgtgt ttctgtgcat 360
 gggagggaa agcacgacgt ggatgaacac tgccgttttg gtaacatcca ttcggaactt 420
 ccgttcaaac agaggaccgcg ttccggtgat tctgaaaggc tttgtagggt tgagcactgc 480
 gatattcact actctctgtt ccgctctctt cgccgacgat cctggctcct tactcatcat 540
 gctctctgtc attccct 557

<210> 6844
 <211> 504
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220081h08d1

<400> 6844

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 acttgctgag cggttgctta gcgtgatgat ggctgttttc tgtcacaaca atgagtgtc 120
 tgaataggac tattatttcc ttcaacaaaa cttcatcctt caatcatcga aggactctcg 180
 gcattgcaag tcccagagtg attcataaca accgcttcgg atgtgtctct ctgaggcttc 240
 aggttcttgt catctttgtc tctgtggttt ccttcttttt agccataggt ggctacatgt 300
 acgtgcttcc aagccttagc cacgcgtttt tcaatggcca agctcccttg ttattatctg 360

002220 "ETFE550"

aacataacag caacggatca gtgagagaat gtgatgtatt tgatggaagc tgggtgcagg 420
 ttaaaaaaga tcacaccttg tacaatgcca cagagtgtcc ttttgtggaa cgaggattct 480
 attgttttagg gaatgggagg agtg 504

<210> 6845
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081h09a1
 <400> 6845

gcactatcac actggacatg ttgttttagcc gatgcgacgt gcgcattatg catttctcgg 60
 gctgttgaag ttcttgaatt ttcttcgcac tcacatcacc tttgctgccg cgctagattg 120
 taggacaggc cagcaggctt ggacaggaga cagaagatct cgcttctgtg tctggatggc 180
 tggaatggtg aacattgggt gcaatcacca accacggatt ggtcgatacg tgcgctgcaa 240
 gatactcact tggcgactcg gaatcaacga ttgccagtta tgataactcc atgga 295

<210> 6846
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220081h09d1
 <400> 6846

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 cttttgtttt tgtttttctt accctctttt ttccaatctg aatcgaaatg gcttaggaga 120
 ctgagacgtc tgcttttttag gccgtgatca accagctcct cagtctaatac atcaacacct 180
 tctacagcat caaggagatc tttcttcgag agctcatcag caatgcctgc tgatgacttt 240
 ggacaagatt cgatttgaga gtcttacaga caagagcacg cttgatgctc agccagagtt 300
 gatcattcac attattcctg acaagaccaa catctcattg tctatcattg acagtgggtat 360
 tggcatgact aaaggcgatt tgggtgaataa cctcggtact attgcaaggc ctgcgaccaa 420
 cgaattcatg gaagccctgt ctgctgggtgc tgttgagagc atgattggac a 471

<210> 6847

<211> 461
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081h10d1

<400> 6847

gaagtaacga aaagaaaaca aaaaatgtca ctttggttaa tgataaacca gaactataaa 60
aaagacaata caaccgcca atcaagaaga actcatacat ctctcatctc aacgaagagg 120
catacatgca atcagaaaac tctgataaaa atttctctaa cactgtacac gtgagggcca 180
aaaaataaaa acgactataa aagagatggt gagctatctt tccatggata agatgatctt 240
cgccccgtga gttgggggtgt gaagctaagg ccaaacatct ccttgagggc cttgcctctt 300
tcccaaaacc tcactaactt ggcaactatt gtagcacttt gcattacgag gttcatatca 360
ttttcgctcc ataaacgggt ccctagttgc accctcctgc gctttgaatc caatgcaatg 420
ccccactcct cgtatagcct tcttcgctcc ttctccgaaa g 461

<210> 6848
<211> 480
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220081h11a1

<400> 6848

aggcaggtga ggtgaattga gggtactgca atgtcttctg cttgcgcgac cttgaaatcc 60
aataccatt taccaaactc tgagaagggc tctctaggag aaagaataat gagtggtct 120
tcaaacaaca gtagcccttg gtaaataaat cacctcgtct attcgttcta caagccacaa 180
gagggtgaaa catggggccg gtgttgcatc tgctgtcctc acttcaaaca atgccaaaga 240
atcactgacc ttgccagtgc ctttcttttt aagaagaagg gctgatcaa agaattgtat 300
ttccatcata ttgggaggag gacctgggac acatcttttt cctgtcacca gacgtgctgc 360
cacacctgct gttgctgtgg ggggatgctc ccggcttata gacattccta tgagcaactg 420
actgaacagt ggcatcaaca aaatatttgt gctgacacag ttcaactctg catccctcaa 480

<210> 6849
<211> 465
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081h11d1

<400> 6849

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tagtccacag tcaagtgtaa caatattccg taatccagta taagccttta ttattttttg 120
ttctatggga aagtagcaca ttactggggc tccacagcct gcacatttgt gtaagaataa 180
gagtagcttt cagtgttggg gttgccctct ctgaacttcg tacaggaaac cctccacgtt 240
ttaagcaaac tttgcctctc aggttcaaca ctctcttag caggcatgat tgttaagaag 300
acaggaacca ttgctgcaac cagatgctta agtgtgtgac cactgacaat atgtcgcgtc 360
cattcggaga tcacatcatc agtagcctct agcaccttag ctagaagata agaccctgct 420
gccagagccc aatatgttga atgtgagtac attggacgca acaaa 465

<210> 6850

<211> 411

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081h12a1

<400> 6850

atacggacaa aatctctaac gatttttttt cttacttta aaataattga tctattgcga 60
taaaccgagt agaggaataa tgggtgtagta gtagtggaga gaaatcgaga tctggaacag 120
agttttacctg aaagaaaaaa gaatcgagtt gaaatgggtt tctttggtac cattttgggg 180
tctttgggat ttgggggttg gatttcgatt ggtctctgag gctggctact ttctcttcat 240
ctacttccaa cccaccaatg ttgacgatcc tgagaccaag ccattggcgg agcaagagca 300
agagactctg caacgaatgt atcccgagat tgctctttgg ataaaacatc ccgattttga 360
tcggcttgac tggctgaaca agttttaga ttatatgtgg gcgtattttg a 411

<210> 6851

<211> 417

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220081h12d1

<400> 6851

gacaaacaac gaagcttagc ttttatagat cattgcaaaa gccaaatagc aaagattagt 60
aactcctata cattattcaa ctgaaacaat ttaacccaaa tccaagctag cctgggaaat 120
tctaattgat tatggacatc tatatattat tggggctcaa cttcgccgcc cttgagcaag 180
gaagcttatt ccttttacac agtatgggtgt gtatttatat aaaagaaaac atggatcact 240
acctaaagat tgaattaatt gtttttgcgt gcagaacttt cttttgtcaa cattgaatgc 300
tagcttccat cgtacactct ttggatccgg atcttatgta gtgagccatc tgtcgatttg 360
gcaagttcgt acaggacttt ccattcaacc aggccatcaa tccttacttt gaaaatt 417

<210> 6852

<211> 341

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082a01a1

<400> 6852

cccaacccaa tggtcacctt cgcccacaac aaattccatt cctggatctc ctccttcagc 60
atcgctgcta actttacttt ccattcatgt gacttcctcc ccgagaaaaa aatggcgaac 120
gcagcatata gcctggccgg gcatgatgac tgcaagctaa agtttggttg agctcaacgc 180
gaagaggacg taccggctta tctgctttaa gattgaggag aagcagaacc gcgtcattgt 240
ggagaaactg ggcgagcctg cagatgggta tgatgatttc gctgccagta tttctgccga 300
cgagtgtcga tgtgctgttc atgattctga ttacagtcac t 341

<210> 6853

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082a01d1

<400> 6853

acattatatt ttttatattt taattgtcag gaacagagga aaacataaca ttcgaagggg 60
taagcaagcc actaaggaca ggaacgaaaa ctgcgcttta actgtggaag tcagagggtac 120
ggcagatgta ct 132

<210> 6854
 <211> 341
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082a02a1

<400> 6854

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 atgagaagat acctttactt tacattcatg agctttctgc catagagaaa aatgggaaga 120
 gctgaataga ggcttggtc tggcatgatg actgatagct aaagtttggtg tggctcaacg 180
 cgaaggggac gtaccgactt atattcttta ttatagaaga gaagcagaac cgtttcattg 240
 tctagaaact aggctagcct gcagatgatt atcatgatgtt ctctgcaagt atttctgacg 300
 acgagtgtaa agctgctggt catgattctg agtaattgac t 341

<210> 6855
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082a02d1

<400> 6855

tgattaagac gtgggctact gcgtccgcaa ttacaggaac agagggtcccg gagctacctg 60
 ctcagctcgg cggcgccgc cctttttttt tttttttttt tttttcaaag aacacattag 120
 acgggacgtg acaggattgc gcgattaagc tatccgaagt ttagcaggac tcccttaata 180
 aacggataca gaagattctt cgatgtggtg aggttcagag agatctctgc tggaggtcct 240
 caataaaaag cacatccgag agagtcatat gaatc 275

<210> 6856
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082a03a1

<400> 6856

tgagaaacga ggagctagat cagttacgtg gcattgggca aggtgaactc ctgagctgtg 60

agagaatata cgattacgat gcgtacaatg atcttggaga tcctgatagc ggcgacaacc 120
tcaagagacc cgttcttggg ggcaatcaac atccataccc aaggcgttgc ataacaggaa 180
ggcctcggtg cgacaaagat ccattatcgg agaaaagaag tagtacggtt tacgttccta 240
gagacgaagg cttgtcggaa gatcatcaac taacgttctc gacaaatact ttatatgatg 300
ggttgaaagc tgctcgtgcc ggcgctgaag acattgatag ttgacaagaa tctaggggtct 360
actgtgtgct cagccatatg atgacctgtt ccatgaaggc ctttactcgc ctgctgtaaa 420
aggcatc 427

<210> 6857
<211> 367
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082a03d1
<400> 6857

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aaacaatata ccttaatgct agcagccagg cttagcgccga tccactgtca tgcacaccac 120
acactcaaac cgagatgctg tacggaaccc ccttatctgg gcaccctgct ccgatgaagg 180
cttgaagaag tcatagggca caataccggg accgatccag ctccctactgg ccctatccga 240
attcctggcg tcaataatga ctatgcgctc aatgaactac cctctaaact cgtcaaacgc 300
ggacttaaca aggggtttct gctggcacgc cgggtacaca gtcctcctga gatacttctg 360
gtccggc 367

<210> 6858
<211> 250
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082a04a1
<400> 6858

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ctgggactgg tgcaagggtc gtttccagat tcctgtccc aaaccacgat gttgacacat 120
tccacataac cctcttggct tcctctatctc tgtattgaaa agggttcttc tgcttacagg 180

gcgggagagag cagctagtgt tcatgggata ggaccaagca ctatgggaca cctactctat 240
acaccataact 250

<210> 6859
<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082a04d1

<400> 6859

aaatgatatt tgattttatt aatttgagga acagaggaaa agataacgta caacgcaaga 60
gatatacgag gaaatatacg gatagaaaca ggaaactcac tgtacatgtc aaaggaacgc 120
taaattg 127

<210> 6860
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082a05a1

<400> 6860

ggaaaaccca tagtgctcct ctcctctgtc taattctctc tcttgatctc cttttgggta 60
ctgggactga tgcaagagct gctcccagac accctttccc accccactat gtttccacat 120
ttaacagtac cctttttgct tctcctattc tgtgatgaat tgggtcttct gcttacacag 180
gcagaatgag caccagtgt tcatggcata ggtccaagca tatgggacac ctactctaaa 240
caacatactg cacaagattg gggatcatcg acccggttac atgagaactg atctttatc 299

<210> 6861
<211> 222
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082a05d1

<400> 6861

cctcaatgct tctaagtttg atgtccggtc taacgacaca agcgcccaag cctggcggtta 60
ttaggcaacg tacaacgcct ccatgcagca tgacggtctt gaacatgaaa gaggggaaggc 120

tgcagactat ggactgggac acagtgatca cagcttgtct accgcataca gacgagctga 180
 ttataacgta ctacagggct gagagaatta ggcagaatat gg 222

<210> 6862
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082a06a1
 <400> 6862

gggtgggcttt acgtataccc ataaaccttg gttaagaacc gtgaactcag ggggatccac 60
 atgaggtggg ccatgctcgg cgccttgac tgcgtactca cgcagctgct gtgccgcaac 120
 gaagagaagc ttggagaagc cgtgtagttt aaggacggtt ccttgatctt catcgagggc 180
 ggactgcgct actagtgcac cccgagccgg atccacgccc agagcatcct cggcatctgg 240
 gccacacaag atatcctaata ggggttcggt caaggtcacc gcatcgctgg tggccccctc 300
 ggagagggca ctgaccaat ctagccaagt ggaagcttcg acccatt 347

<210> 6863
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082a06d1
 <400> 6863

ttcgtttttt tttttgtaaa aagcaagtaa cattaagttg gattcggata cacaagataa 60
 ttcacattat ctgaagtact tcaccaaaca caaatctaaa aactctcaaa agtcatttcg 120
 ttctttgacg ctcactttcc ggggacgaag ttggtggcat aggcccaggc gttgttggtg 180
 acagggtcag caaggtgatc ggcgaggttc tccaatggac cttttccggt gacaatggcc 240
 tgaacaaaga agccaaacat agagaacatg gccaatcgtc cgttcttgag ttccttcacc 300
 ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcgaa gctgccacct 360
 gggtagattg ggtcagtgac ctaccgagg gggccaccag caatacggta accttcaacg 420
 gcaccatta ggataacttg tgtggcccag atggcgagga tgctctgggc gtggatcagg 480
 cttgggttgc ccaagtagtc gagcccaccc tcgctgaaga tctgggaccc ggccttgaac 540

caca

544

<210> 6864
<211> 125
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082a07a1

<400> 6864

cgaaaatgca tagttctccg ataaaacgac taataatata tcaagatctg cgggggggaa 60
cagacactga ccaacctcca cctaccagcc ccacttgccc acccaactat gtggacacat 120
aaaac 125

<210> 6865
<211> 528
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082a07d1

<400> 6865

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tgagccagct agctaataag acataggcaa ctgaacacaa cacatgatat cccacaaaag 120
gataaatcat aagacgtaca aaagcacaaa ggtaaggact attattaatt catggccctt 180
aaaaaataact aaaaacacca aggggggcatg caaatgatac atatgtaatt attattaatt 240
aagcaagaat ctccttcaaa ggcttggcct caagttttgc cttctgatca agttcttgca 300
aatgcttttc attctcaagg tcttgcaaatt gcttttcctt agccagcttc ttcaccttg 360
caatctcaat gtccttgctc atcttctctc tgtacatttc agcaaaagtg attgggttct 420
ccatcacagg cttctctact tctcttatct tcagagggta aacaagtga tttggtgctg 480
ggttttgaaa agtggctatg gacaaacggc tatggtttga gttcacca 528

<210> 6866
<211> 515
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082a08a1

<400> 6866

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 cggaggagaa gaagtcgacg gtgggagaca aggctccggc ggagaagaag ccaaaggccg 120
 gaaagaagct tccgaaggag ggaggcgccg gcggagaagg gaagaagaag aagagaaaca 180
 agaagagcgt ggagacatac aagatctaca tcttcaaggt tctgaagcag gtccaccctg 240
 acattggtat ctcaagcaag gccatgggaa tcatgaacag cttcatcaac gacatcttcg 300
 agaagcttgc ccaggaatct tctagacttg cccgttacia catgaagccc accatcactt 360
 caagggaat tcagaccgag gtcaggcttg tgctgcccgg tgaattggcc aagcacgccc 420
 tctctgaggg taccaaggct gtcaccaagt tcactagctc ttgaactgac tattatgccc 480
 ctctgcttcg atctaagtgt ctctggtagg aatat 515

<210> 6867

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082a08d1

<400> 6867

gataggaata atatacgtct ctgtattagc aactaattcc atacaaagaa ggatcaacaa 60
 atcccatatt cttcacttac aaattgcttt caccaaaaag aaaaaataaa ccaacacttc 120
 aacataaaac atattcctaa cagagacacc tagatcgaag cgaaggggca taatagtcag 180
 ttcaagagct agtgaacttg gtgacagcct tggtagcctc agagacggcg tgcttgccca 240
 attcacggg cagcacaagc ctgaccggcg tctgaatttc ccttgaagtg atggtgggct 300
 tcttggtgta acgggcaagt ctagaagatt cctgggcatg cttctcgaag atgccgctga 360
 tgaagctggt catgattccc atggccttgc ttgagatacc aatgtcaggg tggacctgct 420
 tcagaacctt gaagatgtag atcttgtagt tctccacgct cttcctgatt ctcttcatct 480
 tcttcc 486

<210> 6868

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082a09a1

<400> 6868

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gcaaattctaa cagatcgggt tatgaatccc ttttgaaagt atataaggaa gctgacctaa 120
gtcaggagaa aacgcgtatc ctgggctctc tggcatcttc acgtgatcca gatctaattgc 180
ttgaagctct aaacttcattg tggatcatctg aggatcgtag gcaggatgct ggtgttgac 240
ttgctgttac ccgggaagga cgagatgttg ctgggcatg gcttaaggaa aattgggaac 300
acctcataaa aacatatggt tcatgatttt tgataacttg gtttgtctgt gcagatgtgt 360
caccgtttgc ttgctttgag aaggccatgg aggtagagga attctttgct acccagccta 420
tgccatccat tgctag 436
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<210> 6869

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082a09d1

<400> 6869

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gaatgcttca gtttcataag ggtctaccaa agataagaaa atacgtactg aaatgtgaca 60
agtacttaat gaaccagaga cattcatgtc attttcttat attgacattg taccatacat 120
gcactctggt atgcgagagg atgatccctg aactctcatt tgggttgcat cgtctgatgc 180
ggacgagact tatgtccgga aatatccagg agcgagggtta tatgggtaag actcatacca 240
aattctgccc tagccacgct acttttggcg acctctggca aatcgctgta gaccagaacg 300
gaattaacac tgactgcaa ttcctacata gcataccag aggctatgat caatctgaac 360
actctgaacc cagtttgcat tgagcttgac cagctcaagg ctctgact 408
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<210> 6870

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082a10a1

<400> 6870

ctaaaacatg tgcaaaggat gcttgttttg ctattacagc agctgacctg aagaccgtga 60
 ccatggacat ggtcacgggc ctgttactgt tcacgggctt aacgggcgca tctgccctag 120
 acatgtagat aatgtcgtac gacagcgctc actccgcctc gacgggcaac gactaggagc 180
 tgaagtccat gtac 194

<210> 6871
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220082a10d1
 <400> 6871

aataattcat attcatataa tgctaaaaat gattcccca tggggactcg aaaaggactt 60
 ccgctacaga gcattaaaac tataaccca tgtccacggc ccccatctgc ctgagacaag 120
 gccccgaata gtcacaacg tgataacagt cacttggtc aatgaaacat gtgataaagt 180
 gaaggggctg cgtgcctgaa tgtgtataaa tactgcggaa ctaggccata tcataagagg 240
 gtctttgcta gccgatcaca tttcctttaa cc 272

<210> 6872
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220082a11a1
 <400> 6872

tttatttatt gtttttgtct agtacatgtt tcgatcttct cactataatg ctaatgtgtt 60
 cttcacctct caaaaacttg tagctgacga tcttattact cagcaaaaat tcatggaagt 120
 tccaatcaag tctccggcaa aactcaccct taggggtggct cttacttgta tcatggcggc 180
 caccgacgga gcgatttgtg gctatgacca tggcgatgca ggtggagtga cctgcatgga 240
 ttgcttctg cagaagctct tcccatctgt atatgaatag gagtctcgcg tgaagccttc 300
 ttcaaaccag tactgcatat tcaacagtca gatactgaca ctgcttacat cttcccttta 360
 tctaagtgtc cttgctgcca ttcttggggc atgcagcata acccgaatgt tgagaacacg 420
 tgcaaccatg atcatggctg g 441

<210> 6873
 <211> 543
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082a11d1

<400> 6873

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 taaaatgtta tgtacattag agtatcataa agaaagctag gccataaat tcaagttggt 120
 aaagcagacg tggataaatc aaagactgaa accaacacaa ctagtaatca acatttggag 180
 ttcattttgt cgttttggat ggggttgtcc gactccaaaa atttgcccca gatggggtgt 240
 ttctgccaaa ccatactcat ttctcaagt gggatgccct ttgtctcagg caataacttg 300
 tagatgaata aggtcatgat caccacaaag caccacaaaga agatgaacaa accaaacttc 360
 atgtgacaga gcattgatgt gaagaattga gctatgaaga aagtgctgat catgttgaca 420
 ccaactgtga tactctgagc agcaggtcta atctcaagg gaaagatttc actaggtatc 480
 aaccagccta gaggacccca tgaccaagca aaacctgaaa catacacaca gatgatcccc 540
 aca 543

<210> 6874
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082a12a1

<400> 6874

attatattca ggaacagaag aaaagataac ggtcaacgaa gcaagaaaac caggatagac 60
 actgaaggaa actggacact cacaatgcaa gtccaacgca cgacaaatgg acagacgtcg 120
 acaagaccgt aggcaagagc caaagaccga ctcg 154

<210> 6875
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082a12d1

09531113.032200

<400> 6875

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gaatcgggca cagatttcac tgccatctta ttacataaaa ccttctcatc ccaccaacac 120
aacctcctaa ctgaatctaa attgcactat atattgattt cactagactt gagaaacttt 180
tgtttctcaag tccaagaccc aaatccacaa gaagaaaaat cgagaaggag aaagaaaaaa 240
agaccatcac aaaaacgtgg gaaaaccaa tccatagcag ctgctgctat taaccattt 300
caagtaacct ggccttcata ttccgttgac tttttacatc tttggaattt cctgtgcagg 360
gttttcgttc ataactagtc ttgctagcat ccagataaga gctcttcatt gacaag 416

<210> 6876

<211> 536

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220082b01a1

<400> 6876

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cggcgtagga gcaagaaatg gttttatggt gtgaggaaga ttgttaagct gtgggaatat 120
gtcattgaga agcatagtcc gtgaactcaa ggagatgaga gatggaatag gaagcacatc 180
aaagcgggggt gcagaaagca agcatcggct cagtcggaca aagtcacatg tagctccaga 240
tgttcttgca actccatttg aacctattca acagggacaa tgggcaaata taccatcaga 300
attgcttttg gacataatcc agaggggtcg agagagttag acatcttggc ctgcccgtgc 360
tgttggtgtc ttttggtgct cagtatgtaa atcatggagg tccattacaa gagagattgt 420
caagactcct gaacaatgtg gaaggatcac atttcccatt tcattgaagc agcccgggtc 480
gcgtgattct ccaatacagt gctttatcag gagggacaaa gaanactcta catatc 536

<210> 6877

<211> 474

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082b01d1

<400> 6877

acaggaggac aaatagatag acagatggaa aaagagatta gagagccagt ctattaggag 60
 agggatacag caatttgaca gtggaagata agagcagggc aaatcgactg aagaggtcgt 120
 aaacgtagcc aaaggcagat acattggagt gaggcttcac ctgtgagcca caggcctgtt 180
 tacaggcaaa gctgctcaag cagatggcgt aggcttgaaa cggtgagagt ggataacagt 240
 aagccatggt gaatatgtct tttccaatct ttccaaactg cgagatgacc ttactggct 300
 cctcggcaga gatattatga gatggatcag cagctggtac aagttgaaag ttcttaacag 360
 aagccactga aacgcgaccc ttgaagttca gacaccagca ctgtagctga tcatgccatc 420
 tgggagcctt gttattcaga gctaattgct cggttgagcc ttgggtcaat actg 474

<210> 6878
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b02a1
 <400> 6878

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 ggggatgcga tgttggtat gccagctaata gctgttcaca agctatggaa atggcagaga 120
 aatgagcgga acactactgg gaaggccact gcaagtattc aaccacaact atggcaacca 180
 tctagtggaa tactgatgac taatgatata agtgatacta acccagagga tgctgctca 240
 tgttttgcac tgtcaaagaa tgactcatat gttatgtctg cttcaggggg gaaaacttct 300
 ctattcaata tgatgacatt taagacaatg acaactttca tgccaccttc accagctgcg 360
 acattacttg catttcatcc tcaagacaat aatattattg ctattggcat ggaggactct 420
 tccatacaaa tctataatgc tagagtgga 449

<210> 6879
 <211> 211
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b02d1
 <400> 6879

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aaggttctac tcggcacttc acctctgcat gtacatagaa ctggctgctg atgatccagc 120
 tggcacagcc actgctatct attcatcatc cacagactca gaacatgatg gactaaacct 180
 tgagggccag ggaaacagaa ccggacaacc t 211

<210> 6880
 <211> 250
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b03a1
 <400> 6880

ctcaaattca atcttccac atacactgta tgcgtcttg accacatctg cttcttcaat 60
 gtggaagctt tgtggacacc ctctatagct ctctctccct aggtgacgaa tgtgtcaaag 120
 ggcacatata tctatagagt tcccattgtc tgtgaaggaa agcttcgacc ttaggagtgt 180
 tttggagagt aacatgtttt cttttgatga tgactaagcg tagaggatgg ttgctttgtg 240
 aaacagagaa 250

<210> 6881
 <211> 222
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b03d1
 <400> 6881

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 atttaacaag gcagaactct aaccgtgcat gtcataagag agatctgtaa aggtaattca 120
 aggaaaacgt cacatatgag agtcagttga aacctaacga actgattgag agacatgcc 180
 ataggcgtca gtaggatgag gtggaaagtc aaagcaccaa ct 222

<210> 6882
 <211> 180
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b04a1
 <400> 6882

gaatatacctg tctactacgt attcaaagct atgtgcacgc agtgcagcgc gtctcgtaag 60
 tctcggattt gcgctcgagc gataatgctc ttttcccgtt tctgttttaa agcaattatt 120
 tcttaattgg aagaggatgc gtaacgataa cggtcacatg attcatagtc tcatgggccg 180

<210> 6883
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082b04d1

<400> 6883

caaataaaat gtggacatat aattaaccgg agcagcgcac cgcacacag tcctgaaact 60
 agctgtgcta aacaataaag tagatcaagg gtgccgacaa actctacacg ttaaaacaca 120
 gctaaattta agcaattctg ccaccgacta ttaagaaccc agtactggga acatcaggcg 180
 cgagatgacg gcgaagactt caaactcttg tcgaaagaca tgctacctat gagcgaagac 240
 actagagtac agaaatgaa 259

<210> 6884
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082b05a1

<400> 6884

ggatcaggct tgcttctctg atctcgggtc taactatctt tcattatttt ctacctggta 60
 cagggaccgg actaagcact gtgtccagct ttaatatcca atacgacgaa gatgacacat 120
 tccacataac ccac 134

<210> 6885
 <211> 188
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082b05d1

<400> 6885

ccccaattct tctatcctcg atctcagctc taactataca tgctgatctg ctgcgaagga 60

cagatcactg aacgtcgccct ccgttcagca tgactaacta gaacaacgaa taagaccgat 120
 ggcacactac ggtctgggttc actgtgatct ctgcttgagg acctcagaca caagcacagc 180
 ctataccg 188

<210> 6886
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b06a1
 <400> 6886

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 ctccggctcgc gcttatagct tcatcccaaa aagctctttt ctttctaaat ttgattcctt 120
 agttcagcag gctattatta tatatggctt cttcaccttc ctgagaagac aaaaacctag 180
 agggagtagc tgggtggtgcc ggagagaaac ccattccact tggtgagaac gttctgcaga 240
 agcatgctgc attcttggac ttgaataaag atggtgtcat ctacccatgg tagacttgta 300
 aagggttgcg tgaaatcggg actgggggtt tgctgtccgt tggaggtgct attttcatca 360
 atgtgtatct cagtcagagt actcgtgccg gaaagtttcc atctatactt atttcaattg 420
 aaattaaaaa tatccaacgc ggcaaacacg gcagtgacac tggagtctac gataactgaag 480
 gaaggtttgt accttcaaaa t 501

<210> 6887
 <211> 616
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082b06d1
 <400> 6887

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 acactttgaa tattgcgact aacttactag catataaatt cataaaaata accaattttg 180
 ctgagatcga caagtaactt cttcttttca catacgtgtc tgaaaaatat tactacttct 240
 ctttgctga agagtgttgt tttttcagtt gttcaaataa acttccatcg taaacacctc 300

ggattgtttc tttctgcagt aatccactct tatcttttagc aagtttgtaa agaattttcc 360
 attcaaccac actaccaatc ctctctgaga aatcttttagg ctctctatct gcctttatca 420
 tctccgttaa ctcatcatat gtcaaagcat ttggatgtgt atgtgcatgc ttgttaaaaa 480
 tttcttcata ttctgaaggt acaaaccttc ctccagtatc gtagactcca gtgtcactgc 540
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 ggacgagtac ttgact 616

<210> 6888
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082b07a1

<400> 6888

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 cggaaccagg tcaactctgt cctctcagc ttttctaacc agaaccactg ctgtgacgca 120
 gcgcagagaa gttccgagaa tccgtgtgtt tcaaggccag gtcccagatc tttatcgagg 180
 gcgggctcga ctacttgggc aaccaagct tgaccacgc ccagagcatc ct 232

<210> 6889
 <211> 343
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082b07d1

<400> 6889

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 tggccggctt tcgttttttt tttttttttt taaagtaa atcgtaataa catttccgaa 120
 aaattattag agaagtaagg attctgcctg attgcagtca agattcacac agcggaaatg 180
 tttccacgt attctttatg gtggatcacg tcacacgtgc actcaaacca gggttctagt 240
 ttaaagatgg aatgtaaca cagtgagttg atttctgtgc tacattacta gaaaaataat 300
 tgtgattgta cagcctcaat tagcttaaaa tgctcaagtc tcc 343

<210> 6890
 <211> 233
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220082b08a1

 <400> 6890

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 ctggaacagt actgagggga gcttcaagat ccactatccc aaacaacgaa gatgacacat 120
 tacacacaag gctcttgagt tcctctatcc aagaaggata agcgtctact gttcaaacag 180
 cgtcaagcgc aatcagaact cagcgcatag gaccaagcat acggtactcc tac 233

<210> 6891
 <211> 177
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220082b08d1

 <400> 6891

 aaattatatt tgattttaat attatgagaa aaagaggaaa agaaaacata caacgaaaga 60
 gataaacgag gaaagaaaaa gaaagaaaca gggaaataac aatgcaagta aaaagtacgg 120
 taaatgcacg taagacgaaa aggtcctata gacaagcaaa agactgacaa attgagg 177

<210> 6892
 <211> 288
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220082b09a1

 <400> 6892

 ctcaaattct tccacctgat atctaataagg cttcgaacgg acctgacctg cgacggggcga 60
 ccgaatctgt cacctcgact gaggaatcct tgaccacagg atataacgat ggtgacctat 120
 gtcacctgag gatgcttgct ctccgctctc aggcataatac accttacacg catgaagctc 180
 ttaaagctat gcactggctg cctaaagagg agcgctagca tacatgacgc gtcgttcgca 240
 cactgtgcga ccaggaatcg gcaaacctgt cctggctcat ggattaat 288

002220082b08d1

<210>	6893
<211>	291
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220082b09d1

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agacaataac	gacatcaaac	caaaatgaaa	ctgtacaaaa	caagcgcacg	aaaattcgac	120
atgaccatac	atgaacactc	gctgagccaa	acatctacta	tacgacacga	aaaattgacc	180
tgaaatatcc	aagaccgagg	gtatctccgt	caactcattc	cataatcgca	cgacaccaca	240
ctcatgtcca	ctatctctgg	aagatcgctc	tagacagagc	ctattcaaca	t	291

<223> Clone ID: jC-gmf102220082b10a1

accatttctc	gcagaattcc	agttccagtt	tcaggttcag	tttgttgatg	gctaaagttg	60
gtaagttgcg	gagcaaggct	cgaggtcaca	gggcaagccc	acatcttttg	tcttgcgga	120
gaaaaaatct	gaaagatggt	aatgttagga	agagctcttc	taaagcattg	gagaagaaag	180
attggaaga	tgcaacctgc	tcagtctgta	tggaggtccc	ccacaatgct	atccttctcc	240
tttgttcatc	ttatgataag	ggttgtcgcc	catacatgtg	tgccactagt	catcgccatt	300
caaactgttt	tgaacaatac	aaaaagacat	atacgaaagc	aacttctggt	caaagcttgc	360
agctagaagc	aaacaattcc	aatattgatt	taagcacagg	tgaacctaaa	gacgatactg	420
aagttcctga	gcttctttgc	cccctttgtc	gcccgcaggt	cgaaggttgg	acagtggttg	480
aagtggcacg	gaagtgtctg	aatgc				505

<210>	6895
<211>	519
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220082b10d1

<400> 6895

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 ttcttggtga ccctaaatgc cacctgtggt caattcacca ctttgcataa cgcataata 180
 actaatccaa cctatgggat ctaacaatca taatgaactg catctcctag acctagaaat 240
 cagacgcaat gagcactcta aaattgcctt ttgtacagtc tattaattt tttttataa 300
 aaacagggaa agtcacggtg gtaccatata aatctataaa tgagatgaac tgctataatc 360
 tgccaaataa attataaaat gctctggcat agcaacaaaa ccagccatgc caagatcact 420
 gacatactat ttgcagaaga acagctcttt cccacattt ctggagttca tatttgaatt 480
 taccttggtg catttgctat cctatgcctc cgtcgtctt 519

<210> 6896

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082b11a1

<400> 6896

atataccgaa accacggcca atgaatcagc caacagtgtc acaaaccag actgatttaa 60
 cattggaaga acgcttgaac cttgctagtg cactgtaagc acaatgccta ggtcgcata 120
 tgctgttcag cttaccaaga aaaccatggg ctcaaattgt atactgagac agttcactgg 180
 ggtcaatctg ctgcatacag gaa 203

<210> 6897

<211> 398

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082b11d1

<400> 6897

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 ctgatgagtt atctcatccc ataattggga gagggattct ccctcaaaat aggggaacct 120
 agtactagct aggagagaaa acttcagtca agtgcacgtt atcgaaacta ttgccctttt 180

agggcattaa cacggatact gagctgtaac aaacaatcca taatagctat ctctgtgata 240
 aaatctgatt ctgaattaaa cggggaatat taatgttaac ttgcaccaac gtgcaatgta 300
 tgccgaaggc aatgcaacac ctttacagca aaggccacgt cactacagct actgaaatct 360
 ggtataggaa tggctatccg ccttgatgtc tccaagac 398

<210> 6898
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082b12a1

<400> 6898
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 cagccaaaat tcatggaagt tccaatcaag tatccggcat aactcaccct taggggtggtt 120
 cttacttgta tcatggcggc caccgggtggg ttgattactg gctatgacca tgcagtttca 180
 ggtggagcga cctccatgga ctgcttctctg aagaagcact tcccatctgt atatgaaaag 240
 gaggtaccg tgaagccttc ttcaaaccag tactgcaaata tcaacagtca gatactgaca 300
 ctgcttacat cttcccttga tctaagtgtc cttgctgcgg atcttggggc atccagcata 360
 acccgaacgc cggaagacg tgcaactatg attatggctg gaatattctg tgaggcaggt 420
 gcattactcc atggattagc tgtaagcatc tggactgcta ttgctggcag g 471

<210> 6899
 <211> 187
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082c01a1

<400> 6899
 ggacacgcct accttgacag cgaaacctga aacctgttct ggggtgctgtg ctgtgggatg 60
 gatgcaatat acattgacca agctaggcat agtgatctat actgtcatgc aattattgcc 120
 caccagcatg gtgatactcg tagctgctta gtgatattag gtcatttacc acttcttgag 180
 tgcgggt 187

095113.032200

<210> 6900
<211> 306
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082c01d1

<400> 6900

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ataatgcaag gtcactctgc atgcaaggac tactggagat gcatgcagcg ggacagtagc 120
cgggacaagg acaaaatcct agacctgcaa ggttaccacag aggacccatg ccgcaggcgc 180
ttgcacgagg ctgtattcta gacatgtata gcttgcctcta tcaaaagggc ttgaggtacg 240
tcaatggatg ctaagcagaa gccaaaggat ctgctatag ggccatagga ccgaaccagc 300
catcgg 306

<210> 6901
<211> 142
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082c02a1

<400> 6901

ctaaaattct ttcttatctg atcaagtgtc taattctatt atctgatttt cttccggggg 60
ctggagatgg tgtgaaagct gtgttcagct attctatcca aaacaactca gtgtacacat 120
gtcacataac ccacttggtt tc 142

<210> 6902
<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082c02d1

<400> 6902

attatcagga acagaggaaa agataacgtt caacggaaga agcaaaccac aatggacagg 60
gtcaaaaact gcgctgtagc actgggggta agatgacagc caaacacagg ggaatatgta 120
acgaaccaca ctatacactg gaacaggaaa agct 154

<210>	6903
<211>	225
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220082c03a1

gctagagcca	aaattctctg	atcacatgtc	tattgataag	tgctgatctg	ctaccgggga	60
cagggacacg	agcaaaagca	cctacaagat	acactatcca	agacaacgaa	gacgatcatg	120
tccacaaaac	gcactagagc	tccggtattc	cagaaagaga	agggtcgact	gtttacctgg	180
ctaagagcga	caacggagca	catggtatac	gaccaagaat	atggg		225

<223> Clone ID: jC-gmf102220082c03d1

cgcacaccttt	tttttttttt	tttttttttt	caaacaaaaa	tcgctgatat	gcaccaagg	60
acggggacac	gaacctacgc	ccactgcagc	cggactccat	tgacagacgc	agaggacaca	120
ttgcacacta	cggacttgat	ctcagagatc	tctgcagctc	ggctctaaac	accaccaccg	180
ctgagacgag	tcagcgaca					199

<223> Clone ID: jC-gmf102220082c04a1

cctcgaggct tacttctctg atcttgtgtc tatttatctt tcttgatttt ctaccaggta 60
cggggcctgt agtaaagact ctgaccagct ttactatccc ata 103

002220"CTT12560

<223> Clone ID: jC-gmf102220082c04d1

<400> 6906

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ccgcaccttt tttttttttt tttttttttt ctaataatat ttgcagatat gcagccacgg 120

<210> 6907

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082c05a1

<400> 6907

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cgaaacaata tctcactcca gattccatct ctcatacccc gatgtacgca t 111

<210> 6908

<211> 158

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082c05d1

<400> 6908

ctcgaattct gccatcctcg atctcagttc taactataca tgctgatggg cggcgaagga 60

caaatcaatg aaggctgcct ccgtgcagca tgactaccta gaagaacgaa taggaacgat 120

gccacattac ggtctggatc actgagatct ctgatgga 158

<210> 6909

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082c06a1

<400> 6909

caaaaatcca tatatctttg atcatatgac tttttgtcta attttatatg cggccgggaa 60

cagaaaactt tgaaaattca attgctagat ccactaccaa aagcaacgat gagttcta 120

gacacattac tgttttcaa 139

<210> 6910
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220082c06d1

<400> 6910

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 tctacatctc ctogatgtca tatataccta tctcaatcta aatctattaa tatcataact 120
 gtatactgat attataatgt agtcttggtta tctagctaac tatttttgaat 170

<210> 6911
 <211> 547
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220082c07a1

<400> 6911

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 tatatatggc ttcttcacct tcttcagaaa acaaaaaactc tcagggagta gctgggtggtg 120
 ccggagagaa acccattcca cttggtgaga acgttctgca gaagcatgct gcattctttg 180
 acttgaataa agatggtgtc atctacccat gggagacttt taaaggggtg cgtgaaatcg 240
 cgactggggt tttgctgtcc gttggagggt ctattttcat caatgtgttt ctcagtctga 300
 gtactcgtcc cggaaagttt ccatctatac tttttccaat tgaaattaaa aatatccaac 360
 gcggcagaca cggcagtgac actggagtct acgatactga aggaaggttt gtaccttcaa 420
 aatttgaaga aattttttaca agcatgcaca tacacattca aatgctttga catatgatga 480
 gctaacggag atgataatgc aaatagagag cctaaagatt tctcacgaag gattgtagtg 540
 tggttga 547

<210> 6912
 <211> 215
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082c07d1

<400> 6912

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attccacagc accaaccaca ttacttcat gtaacacatt aaaaaggaat agtccaacat 120
gactaatggg gacttgataa caaatcattc tccaagtact cttaggagtg atgataacca 180
tcagttaaga tagatattat acaactgaac tgaag 215

<210> 6913

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082c08a1

<400> 6913

ctaaaattct tttttatctg atcaagtac taactatatt ttattatttg ctaccaggaa 60
cggaaccatt agtaaaaaca gttttaagct ttactaacca aaacaactaa gatgacacat 120
tacacaaaac gctcttgggt ttttgtgatc aa 152

<210> 6914

<211> 108

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082c08d1

<400> 6914

aaaattatga aaaaaaaaaag aaaaggtaat atttaaagaa aaaaacccaa gaagacctaa 60
aaaaatggaa actgaacact aacaatgcaa gaagaacgta cgaaaaat 108

<210> 6915

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082c09a1

<400> 6915

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ctgaatcagg actgacgccca gtgttcagct ctactacccc gaccaacgca gaggtcacat 120
 tgcacactac ggtcttggtc tcttgatca aggaaagaga tccgccctct tttcaagcag 180
 ctcaatctgc aatacggact catctca 207

<210> 6916
 <211> 112
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082c09d1
 <400> 6916

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 aaaacccgag aaggccgaaa aaaatggaaa atgagaaata acagtggaaa ag 112

<210> 6917
 <211> 129
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082c10a1
 <400> 6917

ctcaaattct ttcttctccg atctcaggtc ttactatctg tcttgatttg ccacggagta 60
 caaaacactt cataacggct tagatcagct gatctatcct gctcaacgaa gaggaccatt 120
 gccacatta 129

<210> 6918
 <211> 155
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082c10d1
 <400> 6918

aattattatg ttaaaciaag gaaacggaaa cttaaaaaaa cataataaag ccaagatata 60
 aacaaactca taaaggaatt tgactatgca agtaaagggc tcggcaaatt caagcccaga 120
 ctcaaattggg gcacgcaaat ccagccatga actgg 155

<210> 6919

<211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082c11a1

<400> 6919

gctgataatt tttcctgatg gtgctctagg agaactcctg ctccggtgac ttcgagaatg 60
 ggatcttaca gggctcttgc tgacacttct aagagaacga gttctcgcag ggcttctact 120
 gacacttcta ccattcctgc ctctcactgg gcttctactg acacttctgc aattcctgcc 180
 tctcactggg cttctactga cacttgcccc attcctgact cttactgggc ttctactgac 240
 acttgcccc ttctgacta ttactgagct actactgaca ctgctacat tctgactct 300
 cacagggctg ctactgacac tgctccatt cctgcctctc acagggcttc tactgacact 360
 tattccatgc ctgcctctca ctgcgctact actgatgctt ctgctcggac tctgctgat 420
 gcttctggca ggacttctgc tcaaactcct ctgagatgga aga 463

<210> 6920
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082c11d1

<400> 6920

aactcgaccc tttatgaact aattgaaccg gaacatacgc aaggcttgac atacacagga 60
 gcaataacgc aacacagcgt ggggacaggg tctgggacgc cgacttgga agcctagatg 120
 tcacccgggt acgactcacc agtcagcata accgcacct aactaatgcc tctacgggc 180
 accaaaacgc gtactgagct gcatctaata gtccttgaaa ccagactctg cggacacact 240
 aggattgcca ttagcacagc atattgatcc atatcttggtg ccaacccgca aag 293

<210> 6921
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082c12a1

<400> 6921

002220082c11a1

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 tgtcacgtac acaaactggg tcaacattgg tacaacgctt taaccttgca aatgaaccat 120
 catcacattg tctatgtcag attgcaatgc tcagcttact gagagtgccca ccgggtcaac 180
 tgttatgctg gtccagtgtc ctgggtgccca tctgctgtct accataaaaa ccacgtgcaa 240
 gctgtacaca tgtgtagata tcggagactg gatccaaaag atgctgggga ctagagcctc 300
 tagtatgaca accaaggcac cggctggagc tcgaagtgga acgataacgc tgtcatcata 360
 agaaagtgat ggacgaactt attgtgcacc ctgttga 397

<210> 6922
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082c12d1
 <400> 6922

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 tttttaaaca tgccaaaacc ccatgctata cccgaaccg gggggggggc ctcattcctg 120
 ggggggctgt ccctggaaaa aaaaaaggaa caagaggtgg cccccccac taacagcggg 180
 ggggttgggg cccctttggg ggggcaaccc cagttccaaa acccggaat ggggccccat 240
 gggaaccccc gggggcatta aaaaaaaaaa aagcccgtg attggtctaa gggggccgcc 300
 cccgtttaaa cacgcccccc ccggtttggg gatggggggc cttaaaaaaa cccggacagg 360
 ggccctggaag ggccaagaag gggg 384

<210> 6923
 <211> 388
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082d01a1
 <400> 6923

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 ccgcaacggg gtgaagtctg gagaagccgt gtgggtcaag gccgggtccc agatcttcag 180

cgagggtggg ctcgactact tgggcaaccc aagcctgac cagcccaga gcatcctcgc 240
catctgggcc acacaagtta tcctaattggg tgccgttgaa ggttaccgta ttgctgggtg 300
ccccctcggg gaggtcactg acccaatcta cccagggtggc agcttcgacc cattgggcct 360
tgctgatgac ccagaggctt ttgctgag 388

<210> 6924
<211> 518
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082d01d1
<400> 6924

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aggcagtggc actaggccca gtacgttgat gatgacaggg tcagcaaggt gatcggcgag 180
gttggtccaat ggaccctttc cgggtgacaat ggcctgaaca aagaagccaa acatagagaa 240
catggccaat cgtccgttct tgagttcctt caccttaagc tcagcaaaag cctctgggtc 300
atcagcaagg cccaatgggt cgaagctgcc acctgggtag attgggtcag tgacctcacc 360
gagggggcca ccagcaatac ggtaaccttc aacggcacc attatgataa cttgtgtggc 420
ccagatggcg aggatgctct gggcgtggat catgcttggg ttgccaagt agtcgagccc 480
acccttgctg aagatctggg acccgggact ggaccaca 518

<210> 6925
<211> 335
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082d02a1
<400> 6925

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aggaggagcg tcccaaggtt gcctacaacg aattcagcga cgagatccca gtgatttctc 120
ttgccggaat cgacgaggtg gatggacgca gaagagagat ttgtgagaag atcgtggagg 180
cttgcgagaa ttgggtgata ttccaggttg ttgatcacgg tgtggatcaa caactcgtgg 240

ccgagatgac ccgctctgcc aaagagttct ttgctttgcc accggacgag aagcttcggt 300
 ttgatatgtc cggcgccaaa aagggtggat tcatt 335

<210> 6926
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082d02d1
 <400> 6926

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 gggattccaa cggcagcaca gctatgattt cagctgtatg ccaccaggat tggcaatcaa 120
 caactcagca gatgacgatt acaatgtagt aatgcaacac ctctcattca caggcagggt 180
 tagtgtcaaa gctgctcaag cagatggcga aggcttgga agtagagagt ggataacagt 240
 aatccatggt aaatatgtct tttccaatct ttccaaactg caagattacc ttttcttgct 300
 cctcggcaga aatattatga gatggatcaa cagcagctac aagttgaaag ttcttaacag 360
 aagccactga aacgcgaccc ttgaagttta gacaccagca ctgtagctgc tcatgccatc 420
 tgggagcctt gtttttcagt gctaattgct cggttgagcc ttggctcaat actggtggct 480
 ctgataagct tgcaaagttt aaatctgaga cttgagc 517

<210> 6927
 <211> 121
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082d03a1
 <400> 6927

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 caggccccctt tgtaaaagca gtgtacagct ttactcaccg aatccgacgc agatgatccc 120
 t 121

<210> 6928
 <211> 156
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082d03d1

<400> 6928

ctcgaactct tgaatgcttg acctgtggtc taactaaatt cgatgatcag ctaccagga 60
cgaggcaatg gaggtcgccg tagtgcagct ggactcactt gagagacgca taacgtccat 120
agcacactac ggtgctgttc ccacagatct cagaag 156

<210> 6929

<211> 327

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d04a1

<400> 6929

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ccatggccat gataacggga gtggtactgt tcacggaagt atatgatgca gctgacctag 120
atatggagat aatgtctgtc gtcggctctc acgcctcttc gctggacaca gacttagagc 180
ttaagtctat gtactagctg tggctatgag agcatggtaa gcagtacgct gcgctcggac 240
tgactgatac caggatacga agctttgtga ctgcgcgtga ggtaatggga actccggatc 300
acctgatgaa cacatatgca tgctgat 327

<210> 6930

<211> 113

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d04d1

<400> 6930

gaggaaaaga agataagtta acgttaaacy aagcaggtat accatgatag aactgatgg 60
aaactgggaa atcacagtgg aagtcaaatg aatgacagat ggaggggcgt cga 113

<210> 6931

<211> 465

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d05a1

<400> 6931

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 acatggcgat aatgtagttc gacagcgccc actgcctgct cgaaggcgaa gaccaagagc 180
 tgaagtctca tgtacgagca gtggctatga agacacggta aggagtacac cgcgctcgga 240
 gagaatgaca acaggattca aagcttgggg actgcctgcg aggataaggg accacaactc 300
 cccagatgac cgaacctgca tgctgtgtct tgaccgcttc gctgatctaa ccaactagga 360
 ctacaaggac aagcacttgg gaagcaacat cgataccaac cttatgctct gttagaccct 420
 ctgcaaccga tgcacgcaac gtgtagggga cagactacct gaatc 465

<210> 6932

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d05d1

<400> 6932

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 tcgatcaatt aatcaatcct ttctgtagca gcactccatt aacaaacgaa taatcaagat 120
 atttcaatac ggtgagcttc tcagaaatct ctgcaggag 159

<210> 6933

<211> 366

<212> DNA

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<223> Clone ID: jC-gmf102220082d06a1

<400> 6933

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 ggagcatagg cactacgtgc cttctatgtg ttaggtgata ctctcgtcgt caatggcagc 180
 atcaactgca tagccaccac agctagagca tacgctccac cttatggcat tgattatcca 240
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<211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082d07d1

<400> 6936

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 tatttttttaa cactgaaatt gaaatgttgg ataaatcaac acaatttgaa aatagtctca 120
 gtaatgctag cgtaatttta ctctagattt taaattaagg taatctgcaa gacatcattt 180
 atacgctcct gaagactctt tcttaaagtt atgcactaca gacttgaatc gtttgattca 240
 ag 242

<210> 6937
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082d08a1

<400> 6937

ctaaaaatgca tttttttact aaatcggggc caagtattga tctatatttg attctgggaa 60
 gggaatcggt tttcatgact gacttcagct aattaaggca aagccactga ctgaacacat 120
 tacaccaccg ggcttggggg tgccggctata gatagaaaac ctgatacatg gaaagtttct 180
 gagagtgcac atgatgatca tcccaggact gcaaaaaaat gtcgtgcatt atgtacagga 240
 gaaaatggta ttagtccatc atac 264

<210> 6938
 <211> 100
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082d08d1

<400> 6938

actaagggta aggtaacgtt aaacgtaaga tttttaccag gatatttaga cattgataca 60
 gcgctttgac catggatgtt agacgctcga taaagtctat 100

<210> 6939

<211>	321	
<212>	DNA	
<213>	Glycine max	
<223>	Clone ID: jC-gmfl02220082d09a1	
<400>	6939	
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catgcattca	atgtaaattt	ttaaggggca
60		
aggaatcggg	ggtgaaggca	gtcctcacct
ggactaccta	gatcttcgta	ctggacaaat
120		
tacacgcacc	gggctggggc	tggcgggcatc
aagaacaaac	atcttagacg	gttgccttgc
180		
gacaatagca	gcatgtgaca	tatctggggac
ttgtaagaag	atgcttaaga	cttgaaaatg
240		
gacgccaatg	ccatcgacca	tcaccatctt
atcaggaaca	tgacggggag	gctattgcat
300		
tcaaagctag	atctttggtt	g
321		

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<210>      6940
<211>      92
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220082d09d1

<400>      6940

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acaaacgcgat actgaacact accaatgcgat gt                                     92

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<210>      6941
<211>      180
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220082d10a1

<400>      6941

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ctggggaatt attaacacct gacaccagcg ttactcaata aaacttcgaa ctagccccat      120
ggcacactac gatcctgaaa catgagctcc acacacaaaa acctggatca tgtacggaac      180

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<210>	6942
<211>	333
<212>	DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d10d1

<400> 6942

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aaaacaaacc agaacagcaa cacaacata gagtaaaata acgatgcaag ttataccatc 120
ggcacacata cacaactact acttcctca tggctgagca aacatccacg accatatacc 180
agctcacagg ccaagctccg agtgacgctc ataaaaccgt agactgctca tatcaactga 240
tgcacatcta tacgtgacgc gaaaagatcg gggctcgctc atgccaatt gaagctacac 300
tcgaactgcc tgacagggga ctgaagattg tct 333

<210> 6943

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d11a1

<400> 6943

ctcaaattct tatatcccag atcacaggtc tgaccataag tgctgagctg ccacgaagta 60
caaagcactg cagaacgcct cagaacagca gaactatcga gctcaaccaa gaggaccgat 120
gccacattac ggacctgaac accggga 147

<210> 6944

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d11d1

<400> 6944

aatataactg ttgggtggat actatgaagc gagaaatcat gagaagataa catagccaag 60
aaactaaaag aaacaaagcg tgcatggacg gtcaatgaaa tcaacaagga aaagcataga 120
ctgaacaaaa tgggacacgc atgatcaacc attaaatggc gaac 164

<210> 6945

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d12a1

<400> 6945

accgagaata actatgtttg ttgtttttac aaaacgaccc ggggcacaaa aaccaagacc 60
tctaggaaag aacaacaccc caaaaattga ggggagacac ccccaaatc agcaatgtat 120
gacaaacaga aggccgcccc acaaacaaac agggggccaa caaggcagga caaaaagacc 180
agaccatgaa tcggcatcgc gaaccatact gtgctgacag aaacgagccg ccaagcgcg 240
ggggggggccc aaaacaaagc tcacatggcg aggaaaaagc tggcaacaa 289

<210> 6946

<211> 204

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082d12d1

<400> 6946

aagagtataa caaagagaac aacataggaa ctggaaactt acaagaactt aagaaaacca 60
agacaataac.gacatcaaac caaaatgaaa ctgtacgaaa caagcgcacg aaaattcgac 120
atgacaatgc aagaacactc agtgagccaa acatctacta tacgagacta aaaatagacc 180
tgaaatatcc aagaccaagg gtat 204

<210> 6947

<211> 144

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082e03a1

<400> 6947

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cagggccctt tgtgaaagca gtgttcagct atactatcca atacgacgaa gaggatacat 120
tccacacaac gcacttggtt tctt 144

<210> 6948

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082e03d1

<400> 6948

ctcgaactat tgaatgctcg acttctgttc ttactaaatt tgatgatcat ctacctagga 60
cgcgggccatg gagcacgcat ttctgcagct gcactacatc gggagacgca taaggcccag 120
tcgacgctac ggagctgttg tcacagatct ctgcaggaca gccatcgtca cta 173

<210> 6949

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082e04a1

<400> 6949

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gcaagttgcy gagcaaggct cgaggtcaca tggcaagccc acatcttttg tcttgcctaa 120
gaaaaaatat gaaagatggt aatgtcacga agagctcttc taaggcatcg gacaagaaaag 180
attgggaaga tgccacctgc tcagtctgtg tggagggtccc ccacaatgct atccttgtac 240
ttcgttgatc ctatgataag gggtgtcgcc catacatgat ggccaatagg catcggcatt 300
cacactgtaa tgaacaatgc ataaggacat atgctaacgc aacttatgtt caaagcttgc 360
atctcgaatc caacaattcc aatattgatt taagcacagg tgaacctaaa gacgatactg 420
aagccactg 429

<210> 6950

<211> 567

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082e04d1

<400> 6950

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accaaccaat taacaaagggt atatatatca tcatatcatc accaaatgaa aaatattggg 120
ttgttttttc ttgtgggtggg ggctactttt gtgggtggcag ccacagctgg tagctttttac 180

caagactttg aaataacgtg ggggtggtgag cgtgccaaaa tctatgagaa tggaaacctt 240
ctcacactct cccttgacag agcctctggc tctggctttc gttccaaaaa agagtacttg 300
ttcggaaaaa ttgacatgca gctcaagctt gtgcctggta actctgctgg aacagtaact 360
gcctattatt tatcttctct ggggcctact catgacgaaa tagactttga gtttttgggt 420
aacttgagtg gtgatcctta cactctgcac acgaacgtat tcagccaagg gaaagggaac 480
agagaacaac agttccatct atggctcgac cccaccaagg actttcacac atactccgtc 540
caatggaatc ctgcaagcat catattc 567

<210> 6951
<211> 399
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082e05a1
<400> 6951

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ctggctctga gggatcgagc ccaacttctc tgacctgata tatgaaagtc taggttaatt 120
tctttgatgg atcagggggg caagttgagg agcacggctc atggacccat tacgagaaca 180
tatatttcgt ctggcctaag aaaaaatatg acgcatgttc ttggcactaa gagctcttca 240
catgattcag agctgatact ttaagctgta accttcatgg tagtatgtga ggatggcacg 300
cacaatgctg tgcttggtact ttgttgatac caggataggg gatgatgtcc atagatgatg 360
gctcatagtc atctgcattc aactgtttac gaacaatgc 399

<210> 6952
<211> 544
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082e05d1
<400> 6952

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ttcagcttca tcttgataaa tacacaggta ctggcttcca atcaaaaggg tcctacttgt 120
ttggtcactt cagcatgtac ataaaattgg ctgctggtga ttcagctggc acagtcaactg 180

ctttctatTT atcatccaca aactcagaac atgatgaaat agactttgag ttcttgggaa 240
acagaaccgg gcaaccttat attttgcaaa caaatgtgtt caccgggtggc aagggtgaca 300
gagaacaaag aatctacctc tggtttgacc ctacaagaga atatcacaga tactcagtgc 360
tatggaacat gtaccagatt gttttctatg tggatgacta cccaataagg gtgttcaaga 420
acagcaatga cttggggagtg aagttcccat ttaaccaacc aatgaagata tacaacagtt 480
tgtggaatgc tgatgactgg gccacatggc gtggtttggg gaatacagat tgggtccaaag 540
cccc 544

<210> 6953
<211> 177
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082e08a1
<400> 6953

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cggaacacgt aataaaggca gtgtacagcc ctaatgacca ggacgacgaa gatgaaacat 120
aacacaaaac gctcttgagt tcttcgtatt ccagaagcaa atgaggcgac ttgttaa 177

<210> 6954
<211> 94
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082e08d1
<400> 6954

gttaaacaga ggaaaaggta acggaaaaag aaagaagcaa gcgaggcaaa aaaaagaagg 60
aaacagagct atgacagtgg aagtaaagcg cacg 94

<210> 6955
<211> 489
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082e09a1
<400> 6955

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 tggcacctga tattgaggcg gttgatggcc ctaacgacga gggtgacatg tttacacgct 120
 ctgacaaaact cagcgagcgt tttcctcatc catatgcaa tgaagcaact gttaggtttg 180
 ctaatggatg agcttatacct ccagagctaa gtcttattac caaagcccg tacaatggtc 240
 acaactatgt ttttgccctt ctaactggat atcgtgaccc acctgctggg gtttcaatat 300
 gagagggact tcattataat ccttgcttta ctgggtggagc aatacgccat gcctaaaatg 360
 cttaatgatg gcgctaggga atatgaagat ggtacccttg ctacagatgc tcagatggcg 420
 atcgatgatg tgtcacattt aagttgggccc gccgaacctg agatggaaga cagaaaactg 480
 atgggattt 489

<210> 6956
 <211> 137
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082e09d1
 <400> 6956

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 aaacagcgct ttaactatgc aagtaaaacg cacggaaaaa ttacgtacaa ctaaagagaa 120
 ctattcaaag ccaaaga 137

<210> 6957
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082e10a1
 <400> 6957

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 actggggaac gtatgacggc tgtgtccagc gctactctcg aaaacaacga agatgacaca 120
 gaccacaata cgcttcttgat ctctgagatc tctgaagaag aaccttagac agtaccacgg 180
 catataccag cagcgagaac ttcaggatca cgacgaagcc tatgtcgtgc ctcatattgta 240
 gacagacatg ctcaagtctaa gcatc 265

<210> 6958
 <211> 96
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220082e10d1

 <400> 6958

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 cagtactata acaatgcaag caaagagctc ggaaaa 96

 <210> 6959
 <211> 156
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220082e11a1

 <400> 6959

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 cagagcaatt aagaacgcct gacataagcg tgactaacta gaacaacgaa gaagaccgat 120
 ggacacactac gatcttgttc cctgagatcc ctgcat 156

 <210> 6960
 <211> 164
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220082e11d1

 <400> 6960

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 acagacgcaa agagaaaagg gacggtggga gaaggagct cggcaagttt acagtccac 120
 ggagaaacgg tattcagagc caaagatcaa caagctcagc acct 164

 <210> 6961
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220082e12a1

<400> 6961

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tctgcggccg cccttttttt tttttttttt tttttttata tgccatttga cattattcat 120
tagagggaat gatctaagga taacatccaa ctcaagcgat atacgataaa acaaacgaaa 180
agaaacaggg cacacaatgg acatgtacac ggtgctctaa gttggtataa ctcgaaaagg 240
tgcttcgccc atcaagtggc agagaact 268

<210> 6962

<211> 167

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082e12d1

<400> 6962

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acaaacaaaa aaagaaaagt cactatggga gcagcgacct cggaaagttt acatactagg 120
gaaatatggt atttaggctc caaagaccat cagtctcata cctgaaa 167

<210> 6963

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082f01a1

<400> 6963

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ctattattat atatggcttc ttcaccttc tcagaaaaca aaaacctaga gggagtagct 120
gggtggtgccg gagagaaacc cattccactt ggtgagaacg ttctgcagaa gcatgctgca 180
ttctttgact tgaataaaga tgggtgtcatc taccatggg agacttttaa agggttgcgt 240
gaaatcggga ctgggggtttt gctgtccgtt ggaggtgcta ttttcatcaa tgtgtttctc 300
agtcagagta ctcgccccg aaagtttcca tctatacttt ttccaattga aattaaaat 360
atccaacgcg gcaaacacgg cagtgcact ggagtctacg atactgaagg aaggtttgta 420
ccttcaaaat ttgaagaaat ttttaacaag catgcacata cacatccaaa tgctttgaca 480

tatgatgagt taacggagat gataaaggca aatagagagc ctaaagattt etc

533

<210> 6964
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082f01d1

<400> 6964

gctcactggc cggccttcgt cctttttttt tattatttga ttggctttta tatgctaaag 60
tagacctgct tctcggacga cgtcacacaa ttaaattgca cagtaccaac cacatttact 120
tcatgtaaca cattaaaaag gaatagtcca acatgactaa tggggacttg ataacaaatc 180
attctccaag tactcttagg agtgatgata accatcagtt aagatagata ttatacaact 240
gaactgaag 249

<210> 6965
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082f02a1

<400> 6965

ggagacttga gcattttaag ctaattgagg ctgtacaatc acaattattt ttctagtaat 60
gtagcacaga aatcaactca ctgtgttaca tttccatctt taaactagaa ccctggtttg 120
agtgacagtg tgacgtgatc caccataaag aatacgtggg aaacatttcc gctgtgtgaa 180
tcttgactgc aatcaggcag aatccttact tctctaataa tttttcggaa atgttattaa 240
cgaatttact tt 252

<210> 6966
<211> 207
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082f02d1

<400> 6966

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aatgccacag ccccaacctc atttacttta tgtaccacat tttaaaggaa cagtccaaca 120
 tgacttacgg ggactcgatc acaaagcata ctgcaggtag tcttaagagg gacgatgacc 180
 attattcaag atagccatta tactact 207

<210> 6967
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082f03a1
 <400> 6967

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 caggcccatg tctcaacaca gtggaaatct cttctgggta gtacgaatcc gagatccgtg 120
 aacaatctag gtactgggtc cattgtatgg cggaacatga tactgggatc tttcacgtgg 180
 gacacagtgc aatccttaaa tgggtgatgt ttgagatcct aggttgatct acattagtgt 240
 acagaccgag caatttatta accaccatag cgatatagtc tacgaaaaaa gttggactct 300
 attgacttta atgcgggatc tgagggtgggc atgaatgggg accaaatgca ccaatgcttt 360
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<210> 6968
 <211> 506
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082f03d1
 <400> 6968

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 tgtgttcttc acctctccaa aacttgtagc tgaggatatt attactcagc aaaaattcat 120
 ggaagttcca atcaagtatc cggcaaaact cacccttagg gtgggttctta cttgtatcat 180
 ggcggccacc ggtgggttga tttttggcta tgaccatggt gtttcagggtg gagtgacctc 240
 catggattcc ttcctgaaga agttcttccc atctgtatat gaaaaggagt ctaacgtgaa 300
 gccttcttca aaccagtact gcaaattcaa cagtcagata ctgacactgt ttacatcttc 360
 cctttatcta agtgctcttg ctgcgggtct tggggcatcc agcataaccc gaatgttggg 420

aagacgtgca actatgatta tgggtggaat attctttgtg gcaggtgcat tactcaatgg 480
 attagctgta agcatctggg atgcta 506

<210> 6969
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082f04a1

<400> 6969

ctataaaggc aggtttctct gatctagtga ccaactctct atcatgattt gcttccagga 60
 acaggggcag gtgtgaaggc agtggtcagc ttttctatcc aatacaacga agaggtcaca 120
 ttccacacaa ccctct 136

<210> 6970
 <211> 614
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082f04d1

<400> 6970

caacatacat aggcactgtc tctgcttcta tttctcactc tctgaactct gaacaccgaa 60
 aatccgccat ggattttcgc atctatggcg tcacgatcct tctcttctctc ttcccaaccc 120
 tcacattctc aatctcacag ggtcagataa actcaaactc aatccttgct gctctgttgg 180
 actcccatta caccgaactc gctgagcttg tggaaaaagc catgcttttg cagactctgg 240
 agaaactgt catgaacaac agcaacaaca tcacaatctt cgctcccaga aacgaagccc 300
 tcgaacgcga tctcgacccc gatttcaagc gtttctact cgaacccgc aatctccatt 360
 ccctccaaac cctgctgttg tcccacatcg tccccaaaag aatcaccaaa cccgaattca 420
 aaaccgggtc gaccgcacac agaactttag cgtctcacca ccacctcact ctccaagccc 480
 tgaatatgac tactggaat ggtgagtctt gccgggttat taaccccgat tcggttaacc 540
 gaccgcacgg agtgatccac ggcacgcaca ctcttctcat ccgtcgctca gtccaagacg 600
 aattcaaccg tcgc 614

<210> 6971

<211> 154
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082f05a1

<400> 6971

cttaaattca ttcttctccg accaagtgtata taactgtata tcctaatttg gggccaggaa 60
cagcaacact tctcattaca gtgatcagct ccaactgacaa aaacgacgaa gacttcatat 120
accacggact gctctggata tctcctctta caga 154

<210> 6972
<211> 453
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082f05d1

<400> 6972

aagtgacaag acattaatta gatgggaact ggcaatatta cattaatacc tgatcccaga 60
tttacgtgct atcacacaat gaacagttac aggattaact agtaggaata gggctaagat 120
gacaccaga cacgggtgat atgtcacgaa ccacatgata cgctggaaca agaaaagctt 180
tgtggaagct gctatagacc tgatgtcaaa actgggaaaa ttgagtccaa attagccaag 240
ttgaccatcc ccatgacaac tactattatg cataatcaga atcatccaat tggcacggct 300
tttgaacaca tcaagaccca tctcagctgg atcagttgct tgcagctcaa tctgaatccc 360
atcaagctcc ctagtgaatc tatctttgga gccggcataa atcatactgg ctgctaacc 420
tagatgtatc aggggacat gcaatgaaga aaa 453

<210> 6973
<211> 112
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082f06a1

<400> 6973

ctaaaatgct gttttctcac atcaaatggc attcctgcat ctctccatt gcggatggga 60
tgcaaactat gctgtcgatt ccatgtgact tctgccctag agaaaaatgg ga 112

<210> 6974
 <211> 437
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082f06d1

<400> 6974

aagtgacaag acattgttta gatgggaact ggcaatatta cattaatacc tgacacgagt 60
 gttaagtgct atcacacaat gaacagttac aggattaact agtaggaata gggcgaagat 120
 gacacccaga cacggggaat atgtcacgaa ccacacgata cgctggaaca agaaaagctt 180
 tgtggaagct gatatagacc tggagacata actgggaaaa ttgagatcat attgggccag 240
 ttgaccatcc tgatgacaac tacgattatg cattatcaga acgatgctat tggcacggct 300
 ttggaagcac atcagagagc catctcagat ggatcagatg cttgcatgtc aatccgaatc 360
 ccatcaagct cgctatggag ctatccttgg ggccggcgta gatcacacgg ctgctaacc 420
 tatatgcatac agggggac 437

<210> 6975
 <211> 391
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082f07a1

<400> 6975

ctaaaattct gggttttcag ttctagtga tttcaattta tggttatctg ctgaggggaa 60
 aagaatcaca tgggaaggca ggttaacagc tggcctagcg aatacgacga ttaggtcaca 120
 tggcacctta ggcactacgt gccttctatg tgataaggga ttgtctcgac gtcaatggcg 180
 agcggcaagt acatagccac cacagttaga gcgtacgctc caccttatcg catcgattag 240
 ccaactcgct gaccacttg ccgatcctct aatggcctca atattcctga ggttatcagc 300
 tgagtgctaa gtatgattac tccatcgcta atatatttgg tgctgaataa ttaatactat 360
 atggcttatg gtactgaggg acgaaacatg c 391

<210> 6976
 <211> 114
 <212> DNA

ctaaaaatgct gggttctctg gtcaaggac caacgatatt tcttgatctg cttccgggta 60
cggaaccagt actgaggcca ggcacaagct gcactaccac gaagtacgaa gatgacacat 120
accacactag gctcttgggt tcttgatttc cgga 154

<210> 6980
<211> 462
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082f09d1

<400> 6980

ctatgttaca tttagtacat agcgggtaat gtcacatgag actcgaaagg gaagcgaaac 60
atagtgaggc tatggaagct agcacggctg attgggatcc tctgtttgag ccttatccct 120
tttttgaatc atacaagaat tatctacaga tagatataac agcagagaat gcagatgacc 180
ttagacaatg gaaaggttgg gttgagtctc gtcttcgcca gttgacattg acgattgaga 240
ggcacactga tggatatgctt caacgtcatt cacatcctgg tgaattctca gaccattcta 300
gaccctatca ccactgagac tttatgggtc tgcagcgtaa gcaaggagtt ccagtgaatg 360
aaggtgaaca gcttgatata acgctcactg ctgaagaatt taaacattct gtcagtgtct 420
acactctatg gaaaccttga atgaatatcc atgtgtccca tg 462

<210> 6981
<211> 201
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082f10a1

<400> 6981

ctccaattct ttcttctttg atctcttttc taactatctg tgctgatctg ccaccaagga 60
caggcacatt aacgacgct gtgtccagcg tgactaacta gaaagacgaa gatgacccat 120
agcacactac ggtcttgatc tccgagatct cggcaggtga gccgtagtct gtagaagcac 180
ctaaatctgt cagcgagaac t 201

<210> 6982
<211> 161
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082f10d1

<400> 6982

tataacggcg gccgcccttt cttggattgt tttgtgatca ctggatcgag cagcacaatc 60
tgaaagaggt accaacagaa aaggaaagat tccaaggtag atacactaca tgatgtaaac 120
aacgagactc cgaatcctaa cggatcacga ggacattccg g 161

<210> 6983

<211> 180

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082f11a1

<400> 6983

cccaaattct tttttcctcg atctcagctc gaactatact tgctgatctg caaccaagga 60
cagggtcaatt aacatcgctt acgtgcagca ggactcccta aaaaaacgaa taagaaagat 120
accacactac ggtctgcatt tccgagatct ctgaagcaca gcctcagact caagcacagc 180

<210> 6984

<211> 165

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082f11d1

<400> 6984

aatattatga tgtgaaaaag aggaaactaa aagggtcaaa gaaaaaaca agacagaaga 60
acaacagtca gaaagagaaa tgtgacgatg gaagcagcgc ccaaggcaag gtcagggact 120
agggagaact ggtatttagg ctgcacagac gtacaaattc agcac 165

<210> 6985

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082f12a1

<400> 6985

ccgcacactt cttttttttt ttatttcagt tctaactaaa catgctgata ggcagcgaag 60
 gacaaagaga cgaacatagc ctcaactgca gcatgactaa cgagaagaac gaagagcacc 120
 aatgccacaa cacgatctgg tacaatgaga tctctgatgg acaacctcaa tcacaagcac 180
 a 181

<210> 6986
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082f12d1
 <400> 6986

atcattatgt taagaaatgg taactaaaat gataaaagac aaaataaaga cagaagacca 60
 acaaactgaa aaagaaatgt cacgatggga gcagcgtcct cggaaagtct acataatagg 120
 gaatcctgat attcagcggc acagacgtac aaactcagta cctgcaatgg acgc 174

<210> 6987
 <211> 117
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g01a1
 <400> 6987

ctcaaattct atcttctctt atcacattac taactctcta tccatatttg cttccgggga 60
 cagatccatt tattacaaca cctacaagct ccactatccc atacaactct gattttc 117

<210> 6988
 <211> 191
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g01d1
 <400> 6988

aataatatta gaattaataa ataacaggaa aagaggaaaa caaaacggac aacaaaagca 60
 agaaccaga gaacaaccaa cagcaaacag tgcacaaaac gtgcaagaac accgagagcc 120
 cagcaggtgg acctcaaaaa caagcacagc cgagacagtc agcgacaact gaaccgcaa 180

aagagcgaca a

191

<210> 6989
<211> 215
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082g02a1

<400> 6989

cttcagttca gttgtataat atctatctta actgatgggt atcatcactc ctaagagtac 60
ttggagaatg atttggtatc aagtccecat tagtcatgtt ggactattcc tttttaatgt 120
gttacatgaa gtaaatgtgg ctgggtgctgt ggaatttaat gatgctacgt tggcagtgaa 180
atcgatcaaa ttaagcatat aatagctttt caatt 215

<210> 6990
<211> 591
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082g02d1

<400> 6990

ctgttatgtg ggcgtccgga attaattgtcc cgggtcccgg tgctaactgc tcagtgggtc 60
gcgttcgtcc ttttttttgt ttaattgaaa tgctattata tgctatacgg gtacacatga 120
tctgtcacat tatctgaagt acttcaccaa acacaaatct aaaaactctc aaaagtcatt 180
tcgttctttg acgtcactt tccggggacg aagttggtgg cataggccca ggcgttggtg 240
ttgacagggg cagcaaggtg atcggcgagg ttctccaatg gaccctttcc ggtgacaatg 300
gcctgaacaa agaagccaaa catagagaac atggccaatc gtccgttctt gagttccttc 360
accttaagct cagcaaaagc ctctgggtca tcagcaaggc ccaatgggtc gaagctgcca 420
cctgggtaga ttgggtcagt gacctcaccg agggggccac catctatacgt gtgaccttaa 480
acggcaccca ttaggataac tcgtgtggcc cagatggcga agatgctatg ggcgtggatc 540
aggctcgggt cgcccaagta gtcgagccca gcctctatga agatctggga c 591

<210> 6991
<211> 517
<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082g03a1

<400> 6991

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 agcaaccagg cattgggggt gaagtagtgc cacaccagga taactcgttc ctttatactg 120
 aaccacaaac atgcaccggg ctgtggctgg ccctacaaga tgcaaacata ttaaagtgtt 180
 gcctttggac aatacctgga tctcacaaaa atgggcttgt tagaagattc ttaagagatg 240
 acgatggtgt caaattcgat cgaccatcac cttcttatga tcaaaaagag ttgggtccta 300
 ttgaagtaaa agctgggtct gtggttgtca tccatggtga tcttatgcac caaagctctg 360
 aataccagtg tccagaatca agacatgcgt acagcttgca cgtggtggtat atgggttggt 420
 gcaaatgtgc accagaaaat tggatcagac gaaatgatga gccagaacca ctctttcgta 480
 gctgaaatct gcatatagat agaaacgacg taatgat 517

<210> 6992

<211> 478

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220082g03d1

<400> 6992

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 agcctccaac ttctttggcc aagacactca cacaatctga tgctaacaat ggtggagggt 120
 tatctgagcc tagttactgt gctgaaacca tgatcccaag gttggattat tctgctgagc 180
 ctctgttca taccatcatc gctaaggata tgcattggaca gcgctggatg ttcatgcata 240
 tctatagagg gacaccaagg aggcattctt cgaccactgg atggatcaat atcgtgaacc 300
 agacgaggct tgctgctggc gactctattg tgctactgag ggcagagaat ggagatctct 360
 gcgctgagat aacgcgggct aagatgggga ttgacggagg gactgagtga ccttacgggtg 420
 gatggtataa ccctctgttt ggtggtggct ccttgtgtga gagtgagaac aatgtgat 478

<210> 6993

<211> 342

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082g04a1

<400> 6993

gtttagaggct ggctgatggg gtcaagagac ctgcaaacgt gcaataactg ctaataggta 60
 cgggaccagg aattggggca gaggtactat cacaccacga gaactagtcc ttgtatactg 120
 aacacaaaac gtgcaccggt ctgtggctgt ggcaacaaga agctggcata ttaaaagtgg 180
 cggctatgga caatacctgt atatcacaag ggtgggcgcg tatgatgatc ttgatgagat 240
 gaccagggtg ccgaatacta tcgaccatga ccttattatc atcaaaaaga gttggccgct 300
 attgaaacca aagctggaac ggagggtgca atacatgggg at 342

<210> 6994

<211> 325

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082g04d1

<400> 6994

caagaatgat catcactgac gtagcatata tagctacaca tatgtacata aagctctgag 60
 attagatctt atcaactcgg ccatggataa ttatgatcgt gatcttgaat ctgcgaatac 120
 tgataatcat aactcgcac cactgatac tcaacgctac atcgaatata gacaagctga 180
 tggatcatgaa cagcttaccg gatatactga aatagaagaa cgtgatttac gtgacactgg 240
 tgaacatgc catgatcaac cacggcatat gctcgtcac cattcccga catcacgagg 300
 tgatagtgat ctggatggga gcctc 325

<210> 6995

<211> 386

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082g05a1

<400> 6995

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 cgagcaagaa atggttttat gttgtgagga agattgtcaa gctgtgggaa tatgtcattg 120

agaaccatag gccgtgaact catggagatg agagatggaa tacgatgcac atcaaagcgg 180
 ggtgcgggaa gcaagcatct tctcagtcgg acaaagtcac atgtagcttc agatgtgctt 240
 gctacttcat ttgaactcta tccaccaggg acagtgggca aatctaccat cctaattgct 300
 tttggacata atccagaagg tctaagagag agagacgtct tggcctgacc gcgctgttgt 360
 agtgtttcgt gcttcagtat gtaaat 386

<210> 6996
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g05d1
 <400> 6996

catagaattc actaaacttc atttaattta attttacagg accacaaaac aaaagacaga 60
 ataaattcca gaatcaacaa ccaatttata agggggggat tccaacggca gcacagctat 120
 gatttcagct gtatgccacc aggattggca atcaacaact cagcagatga cgattacaat 180
 gtagtaatgc aacacctctc attcacaggc aggttttagtg tcaaagctgc tcaagcagat 240
 ggccaaggct tggaaagtag agagtggata acagtaatcc atggtaaata tgtcttttcc 300
 aatctttcca aactgcaaga ttaccttttc ttgctcctcg gcagaaatat tatgagatgg 360
 atcaacagca gctacaagtt gaaagttctt aacagaagcc actgaaacgc gacccttgaa 420
 gtttagacac cagcactgta gctgctcatg ccactctggga gccttgtttt tcagtgctaa 480
 ttgctcggtt gagccttggc tcaatactgg tggctctgat aagc 524

<210> 6997
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g06a1
 <400> 6997

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 cgaaaacggg tatgaaagct gatgccagct acaatgccaa gaactacgca gagataacag 120
 tgcaccacaa ctgcgaaggc cactgtatgc attcaaccac agctatggca gccatctagt 180

ggaataactga agactcatga tataagtgat gctaaccagcaggatgctcc tacatgtttc 240
gcacatgttg aagagtgact caaatgatat gtctgcttca ggggggaaaa agtatctatt 300
taataagatg acatctaaga caatggcgac aatcatgcgg cctcaaccaa ctgcggagtt 360
tattgcatag tagccagaag acaataatga catagctatt ggcatt 405

<210> 6998
<211> 381
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082g06d1

<400> 6998
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taaaaaagat actacgcaga taaagggtccg accaaagagc agaatatggg ctcaatgacc 120
ctacactctg caacgccgac atcgagttta cgccagtagt cctatgagtg caatatcata 180
ctgtgccatt gccacgggtc ggacgcctct agtaacaacg ggagaatggg tcaattggat 240
gcgcactaac ctactgacac ctacgtaccg cagctgccat tgggaaaccg aatggaggca 300
ccacagagcg ggatcatatg ccttcaaaac acacactcaa agctccttac agaaaagtgc 360
tacagaatgt gccatgcac a 381

<210> 6999
<211> 119
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082g07a1

<400> 6999
ctaagatgct cttttctcac atcaaatggc attccttcat ctctacttg cggatgggtg 60
cagactatgc tttcaattct ggtgcttgct ccctagcga aaactgggaa gagctccat 119

<210> 7000
<211> 228
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220082g07d1

<400> 7000
aataagaaag gcaaaggaca ggccaaaccg aataaagaac ccaggcccat taactagcga 60
gaccgcgtac tacctatgcg agtagaacgc acgcgaaaac ggctgaaaca ctgatgggct 120
ttccgaagac ccagaaacct ttgcctaaaa ccttgaactc agatagatcc actgcaggcg 180
ggccatgctc ggagcactgg gctgctgcaa gccggagtca gctgtcct 228

<210> 7001
<211> 120
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082g08a1

<400> 7001
ctaaaatgct gtcttcccg atcaagtgtg ctacaatttt ttctaaactg cttcagggtg 60
cggaacgagt acttaaacca gcgacaagat cccatagccc aatggaccca taggacacat 120

<210> 7002
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082g08d1

<400> 7002
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gcatggggca ggccaaaccg agtcaagtac ttggggccat tctatggcga gcccccgttc 120
tacctaaccg gtgagatccc acgcgaatac ggctggaaca ctgatgggct ttccgcagac 180
ccaggaacct ttgccaagaa ccgtgaactt ggactgatcc actgcaggcg ggccatgctc 240
ggagccttg 249

<210> 7003
<211> 138
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082g09a1

<400> 7003

ctaaaatgct tgcttctctg atctagggtc catctataat ttcttatctg cttccgggta 60
 cggaaccatt actgacacca gagtccagct cccatacccc gatgtactca tatgacacat 120
 accacactac ggtcccgg 138

<210> 7004
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g09d1
 <400> 7004

attaataatt tttgatttta ttattatgaa aaacagagga caaggtaaca taaaacgaaa 60
 aaagcaagcc aaacaagaaa cgctctgaaa gagagctagg acgatggaag caaacgtac 120
 gggcaataaa cctaatagga agaggcccta aataaaccca gagacgaaca accgcacatc 180
 tacgatgacg accatcgaca agggatcagt tgccgagcac catagcatcg acatgcaagc 240

<210> 7005
 <211> 113
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g10a1
 <400> 7005

gaggaaaaga agataagtta acgttaaacy aagcaggtat accatgatag aactgatgg 60
 aaactgggaa atcacagtgg aagtcaaag aatgacagat ggagggggcgt cga 113

<210> 7006
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g10d1
 <400> 7006

tgtagttgga aagagggtt gccggcgaaa gtgtcatatc atcgaaagat gtggttatgg 60
 tactctttga gactgctatt ctaactactg agctcagcct tgatgatccc aacactttct 120
 gtaacaggac tcacaggatg ctgaagctcg gactgagcat tgatgaagag gctgctgaag 180

cacatgctga catgcctact gtggaggacg ccgatgctga tgccgatgct gacggtagca 240
 agatggaagc agctgatact gtctaactta attactgac tg 282

<210> 7007
 <211> 173
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g11a1
 <400> 7007

ctccaattat tgaatgcttg acctctgttc taactaaacg cgatgatcat caaccaagga 60
 tgaagcaatg gagcaagcat ttgtgaagct ggactacatt gagagacgga taacgaggat 120
 agtacactac ggagttgtta tcagagatct ctgaaggaca ggcataca cta 173

<210> 7008
 <211> 100
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g11d1
 <400> 7008

cattatctta atccacggga acagcaaggt tccaagatag atacactacc ttctgttaat 60
 aacatgacta cccaagctct tgctgcaagt ggaccttcag 100

<210> 7009
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g12a1
 <400> 7009

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 agccaagaca gaagtagtat caattgaccc taccctaaat acattctcat tcctcagaat 120
 gacacagaag aactcactta ttctgaggct tctctttgct tcaatggaga agaaggcaca 180
 tgtcattatt cgaaggagcg gaaaaacata tataatgctt cactttctgg acattccaat 240
 acggcaatat cacactagta aagtaacaaa cgggtggtttc atgcaactgt agagcatgga 300

agatgcatga gtagaaattg ttggaatgca aggccaaaat agtgctgaga ttcattgggt 360
 gcatgtactt tgaggtagct tgacataagc tgatgaacga tcaacctgat ggctttgttc 420
 gacggattga atgggtccca aatcgcgtaa ttgacgacgt ttggacataa gttgaacac 479

<210> 7010
 <211> 98
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082g12d1
 <400> 7010

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 gtctgaacta tagacatgat cattgaatta gagctcaa 98

<210> 7011
 <211> 568
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220082h01a1
 <400> 7011

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 agttttcacg tcttacattg ttttgagtct agtgatggca ctagcaatta gcggtttcaa 120
 tttcaaaggg gcagaggcag cacgtgcctt ctttgtgttt ggtgattctc tcgttgacaa 180
 tggcaacaac aactacttag ccaccacagc tagagcagac gctccacctt atggcattga 240
 ttatccaact cgcagaccca ctggccggtt ctctaattggc ctcaatattc ctgattttat 300
 cagctgagtt ctaattttga tttctccatc gctaatatat tttgtgctgt ttaattaata 360
 ctatatggct tttttttttg ttggacgtta catgcgttcg aaccatttc ctgatgaaat 420
 tgtcttacta caattatacg gaccaagaat gcccataact aatatatgac ttattatgcc 480
 atgtagtgtg agttaatttg tgattaaatt ttgcaggcca agaacttggg tcagagtcca 540
 cgttgccata tntaagtcct gagctcaa 568

<210> 7012
 <211> 507

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082h01d1

<400> 7012

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gaatagtaag aacctctcta ataattctag ggccaaaacc ataactagac cctaatagat   60
ccaagatcga agctagtaac aattgaccct tccctaaata cctgtatcag tcttcaagat  120
cacacagtag aactcactta atatgcggtt tctatatgct tcaagggaga acaaggccca  180
tgacattatt ccaaggagcg gaaaaacata tataattctt cactttctgg acattccaat  240
tcggaaatat cacactagta aattaacaaa cgctgctttt atgcaactgt agcgtatgga  300
agatgtatga ctagtatttc ttggaatcca aggccaaaat agtgctgaga ttcattgggt  360
gcatgtactt tgaggttcct gacataatct gctgaacgat caacctgttg gctttttccg  420
atggatggaa tggatcccaa aacgcgaatt cgtgacggtt tggacataag ttggacacta  480
ccgtgcatag tccaagacca ttaaagg                                     507

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<210> 7013
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220082h02a1

<400> 7013

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agattgtgga tgattggctt gatcagcact tgggtggtgt acttacggta tggttagtac  120
ctcatttcaa taatcaaagc aaagaacata ctcgtttgct tgggtactagg gcggtaaagac  180
aaattgtaaa aagtaatgta aaattttgca atgaaatact gttttggtga aattgttggt  240
tggtgtcatc gctaccaa at gatgcaatat ctttgcattg attatctctg caaaaagatt  300
aacgcgtgct gtaatgctag tgtcactaat gttcatcaca tatagcagta atcttcgatc  360
taagatatga aactataaca tgaaattttt tattcttttt aatagctaaa atctagaatt  420
tacgagagtg acagaagtca gtggaggtga actntggtaa tactggttct gaaagaattg  480
atgttaaaga gaaattaatt cctgtctgca aattacggag tattctatga atttcatttg  540

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actggatagc aaagagcatc atgttttaag

570

<210> 7014
<211> 571
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220082h02d1

<400> 7014

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aaatatccaa ggaatcaaaa acactacaaa aggatttata acaattgata tattctgctc 120
aatcaactga aatataatta attaactgaa ctacaattaa aagaaatcca caaaacatac 180
aacattttct cttaaaacat gatgctactt tgctatccag tcaaaatgaa attcatagaa 240
tactccgtaa tttgcagaca ggaattaatt tctctttaac atcaattctt tcagaaccag 300
tattaccaa gttcaccttc actgacttct gtcactctcg taaattctag attttagcta 360
ttaaaaagaa taaaaaattt catgttatag tttcatatct tagatcgaag attactgcta 420
tatgtgatga acattagtga cactagcatt acagcacgcy ttaatctttt tgcagagata 480
atccatgcaa agatattgca tcattcggta gcgatgacac caaacaacaa tttcaccaaa 540
acagtatttc attgcaaaat tntacattac t 571

<210> 7015
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082h03a1

<400> 7015

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aaggctatgg cagctgagat tgagggtggtt gatggcccta acgatgaggg tgagatgttt 120
acacgccctg gtaaactcag cgatcgtttt cctcagccat atgcaaatga agcagctgct 180
aggtttgcta atggaggagc ttatcctcca gatctaagtc ttattaccaa agcccgtcac 240
aatggtcaga actatgtttt tgcccttcta actggttatc gtgaccacc tgctggtggt 300
tcaataagag agggacttca ttataatcct tactttcctg gtggagcaat tgccatgcct 360

aaaatgctta atgatggtgc tgtggaatat gaagatggta cccctgctac agaagctcag 420
 atggggaagg atgttggtgc attcttaagt tgggcccgcg aacctgagat ggaagagaga 480
 aaactgatgg gattaaatgg atatttgtac tgcactg 517

<210> 7016
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082h03d1
 <400> 7016

ccgatctccg gttatTTTTg agctgcgctt tcagcagcag agtggcgaag tctcaagggtg 60
 tcaagctgcg ttgcacggct ctatgtctca cgccaaccgc gaataaccat ggtcgtggat 120
 gatacatcac gacctattgc actgttacca cgacctctag gctagaatcg cactgtaagg 180
 ctcgagaaca gactatctca gctttcgtta tgcaggcaca cgcacaatgc cgtcctacta 240
 ctatatgaga ctgacagaca aggattgtct aactacgat gagcatcact ggctctctcg 300
 aaccagacag tgctgcttga tgcagatcgt actgtgacac tgcattgcaca gacctatgat 360
 ccat 364

<210> 7017
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220082h04a1
 <400> 7017

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 cttggaggtc tgtgggtttta ctgtactcaa tttgataaat taaggcaaag acgatgacca 120
 agaagaagaa tcccctgggtg tttatggatg tgtccatcga tggggatcct gttgaaagga 180
 tggtttttga gcttttctat gatgttgctc ccaagactgc agaaaaacttt cgtgcattat 240
 gtacaggaga aaaaggatat agtccaaata ctggaaaatc actgcactac aagggttctt 300
 tcttccatca gatcataaaa ggttccattg tgcagggtgg agattttgtc aatcgaaatg 360

gaactgctgg agaaagcata tatgggttoga agttcccaga tgagtcacct aagctaaagc 420
 atgatgctac cggactntta tcaatggcaa ttgcagaccg tgacacactt ggttctcatt 480
 ntattatcac tttgaaagct gatcatcatc ttgataggaa gcatgtagtc tttggg 536

<210> 7018
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082h04d1
 <400> 7018

ggtttttgat cctcagtatc ctggttggta ttatgacaca attgcccaag aatggcggtc 60
 attggaaact tacaattcaa ccatccagtc ttctgggtcat ggacatgaaa atgggaatgc 120
 ttctgccaat acattctcac ccaatgatca tagtttgtat agtgaatata gccaaagctga 180
 taattatgga caacagggtc tcgataatca ggctgtagat ggagctgga gtggtttgta 240
 tggcactaac cataagcagg gttttgacat gtacacaact gggctctgcca caacacgagg 300
 ggatagtata acttctggtg gcaaccaaca gattaatcat tcttatggtt caagcatctc 360
 tgtgaacgaa catcaacaaa atacttctag ctcttttggg tccgttgcat tgtacaatag 420
 agtaaaccat gatcgtggct tggctaattg aacttttgaa ccacaaagct ttggccctac 480
 tggggacact gctcaacagc ttaattattc aaccacaaag cttagtgaac aaaaagttgt 540
 ttcaaattg 548

<210> 7019
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220082h05a1
 <400> 7019

cttcagttca cttgtataat atctatctaa actgaggggt gtcactactg cttagagtac 60
 ttggagaatg atttgggtgt aagtcccat tattcatgta ggactattcc tttttaacgt 120
 gtcacatgac gtgcacgtgg ctggtgctgt ggaatttagt gacgctcctt tagcagggaa 180
 gtctatcgac tatagcgtat aatcgctttt caatgcatga gaaaaaatac taacgggctg 240

acgccggcta gagagctcat cgac

264

<210> 7020
<211> 332
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082h05d1

<400> 7020

atgaacattg gttcacacat aagaacacat tatcataaca agacactcac tcgcatatgt 60
acgtactata acttgataac caattcatgg accctcactt tccacagacg attgatgaga 120
atgaggccca aaacttggtg gtgacaggat accatccgcg acctgctatg tgctccaatg 180
gacactatcc tatgccgctg gcacatggat ggattccgga catgctgagc ctgggtcaatc 240
aaacgagctg gaggcacttc accggaagct aagcaaatgc caaagtatca tcagatactg 300
ccattgaacc tatgcatcct tcggggctga aa 332

<210> 7021
<211> 338
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082h06a1

<400> 7021

cgcgaaatgaa tgggtgctgcg gtcgtgggag gatctcgtgg actgaaattg gagcggcgta 60
cgagcaagaa atggttttat gtcgtgagga agaattgcaa gctgggggaa tatgtcatag 120
agaagcatag ggcgtggact caacgtgatg aggcattgga tacgaagcac atcacagtgg 180
tgagccggaa gctgcgcata tctgtcagca cgacaaagtc gcatgtggct ccagatgtgc 240
tcgctacatt atgtgaacct attcatcagg gacattggtc aaatgtacca tagcaaacgc 300
ttctgcacat aatccaccgg gtctatgaga gagcgaca 338

<210> 7022
<211> 332
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220082h06d1

<400> 7022

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ggaaactgaa ctctaaccat gcaagtcaaa cgtacgataa atgaacagac gttgaaaagg 120

tcctaggcaa agccaaagac taactcatgg gcatctaaaa ttacgacgaa caccaagggg 180

tcatgcatat gccacattag taactgcttg caagcaatcc agaactagct tgaacggett 240

gaccataggc tcatggcccc gatggagagc ctgcagattg ctggcactaa caaggacctg 300

cacatgcgca tcctgaacca tgacattgat cc 332

<210> 7023

<211> 345

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082h07a1

<400> 7023

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ctaacgaagc tttggcacia atgctgttca caagctttgg gagtggcaga gaaatcagcg 120

caccgctgcg gcaaattgcca ttagatgtat acatgctgac ctgttgcatg tcctcctggg 180

aatactgttg actaatgacc gagacgatgc tcaccagag gatgcactgt cgtgtgtcgc 240

accgggcata catggctgat atgttctgac tgcacatgg acgaagatgc ttgtctttca 300

taagctgaca attgagacta tgtcgacact gatgcctgct tacca 345

<210> 7024

<211> 350

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082h07d1

<400> 7024

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cctggcagca cattgagggc acaaagtcaa aaaccacctg atctatgaaa cttaatccca 120

aagcaattca actgtagcct ctataggctc tgtggacctc atacagtgac tagcgcacat 180

cgagcatagg ccaaggcgcc tgaagaccaa ccacctgagg taccggcgcc agctgaagct 240

cgaacgcggc aggcataatgc tcctgcctac agggcgaaaa ggaacgggat agagactgct 300
 cagttcgcag ggctgtgacc gacttcaagg acactagact caccacagcc 350

<210> 7025
 <211> 136
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082h08a1

<400> 7025

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 cggaacaagg tctgagacca gcttcaatat caaatacgcc gaagaagtca tagttcacat 120
 tacacactac ggtcct 136

<210> 7026
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082h08d1

<400> 7026

atatataata ttataataaa ttaatagcaa aaacaaaagg taaggcaata gcgaacggca 60
 gaacagagcc aaagtatgaa cacatacaaa gagcacttga acagtggaag ccaaacgttc 120
 ggcaaatgca cgtaccacta aaaaaaccta aaccaagcca aagacggact agctcacatt 180
 tagcatggag ccaatcacca agaggccata caaagtgaag agtactcact acttgaaag 239

<210> 7027
 <211> 183
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220082h09a1

<400> 7027

ctaaaattct ttcacacctg atctacattc taactaaatt tcattatctg ctaccgggta 60
 cgcaacaatt tattacccat gtgttaagct caactaccac gacagacgca tatgatacat 120
 ttcacactac cgcctgatt tctcagattt cagaagaaca tgcacgaca ttacaagctg 180

ttc

183

<210> 7028
<211> 165
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082h09d1

<400> 7028

attatgttaa acagaggaaa cggaagata gaaagggata atagggacag aatagaaaca 60
atcggaaca ggaatgtaac tatggaagct aaacgtccgg gaaattgaca tgatactcaa 120
agaaggtatt cggagccaaa ggcggaacaag tgcagcacct gaaag 165

<210> 7029
<211> 548
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082h10a1

<400> 7029

ctcatctagg ttggaggccg cccttttttt ttttttttct ttttttttta ctttttttgg 60
tgattattgt cataggaacc atccaattaa caatgggttta tgtagcatca tatcatcacc 120
agacgaaaaa tatcgatctg attttacttg aggagttgga tacttttgag gtggcagtca 180
ctggtggttg ctatcaccaa gactttgaat taacgcgggg tggtgagcgt gccaaaatat 240
acgagaatgg taacctgac acactcttcc ttgacagatc ctatggctct ggctatcagt 300
gcaaaagcga gtacttggtc agaaaaattg acatgcaact caagctagtg cctggtaact 360
ctgctggaac agtatactgc ctatgatgca tcttctctgg agcctactca tgacgaagta 420
gactttgagt ttgtgggtaa cttgagtggg gatccttaca gtctgcacac gtacgtatgc 480
agcctacgga tagggaacag agaacaacag ttccatctat gggtcgaccg caccaaggac 540
tttcacac 548

<210> 7030
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220082h10d1

<400> 7030

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gttgtaatt ttttattggt ttttttatga tgtaatacag aggaaacggg aaggtaaaaa 60
ggcaaaaaaa agacggcaga aaaacagacg gaaggaggac cgtaataatg ggagcaaagc 120
atacggcaag tatacctgag acgcacagct ggcataggac cgtaagaggc acacaagaga 180
gcgactgaac ggacgactag gcataagtga tccactgata acgaggaaca gtatcgaaat 240
gcaagcaaca ctgactaagc atggctcg 268
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<210> 7031

<211> 388

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220082h11a1

<400> 7031

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gtgttaattg tcataggaac caaccattta acaaaggtaa atataacatc atatcatggc 60
cagacgatta atgtagatat gaactgactt gaggaggagg atacttgaga ggtggaagtc 120
acagctgggt gctgttacca agaccttgaa ctaacgcgtg gaggtgtgcg tgccagaata 180
tatgcgaatg gtcacctagt tgcactattc ctaagacaga tcctatgact ccagttatca 240
ctgcaaaagc tagaccatgc gaacaaaaat tggcttgcaa cccatgccag tgacgggtta 300
ctgatggagc tcaacatggg catactgtag atcgctccctg atgcctgcac atgacgaatg 360
atagtctgac gtcgtggggg acctgact 388
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<210> 7032

<211> 551

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220082h11d1

<400> 7032

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ccatgaatat aattttgcac gctataatta tctttcgcca caaacaatgg agtagtgctc 120
aaciaagcac aaaccaaaaa taataacagt tttagttgca ttaatttaca caagaaagta 180
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aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat 240
gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa 300
acgtctgata tcagtgaat aattgtaaat catgtaattc ttttgcaccc aacggatctt 360
tgcttgcccc gtggcgctcca gtgattggcc agtggaggaa gaagtttggg aattgaagtt 420
tctgtatgag gctgtgaatg gtgccttgct ccaatccgtt ttcacaagcc cacccttctg 480
ggcccaatcc tcagngttcc aaagactaga gtatattctc atggggttggc tctctgggaa 540
tggaaccct t 551

<210> 7033
<211> 512
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220082h12a1
<400> 7033

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ctgagattca gttcatctt gataaatata cagggtactgg cttccaatca aaagggctct 120
acttgtagg tcacttctgc atgtacaacg acttgcattg tggtagattca ggtgacacac 180
cacctgatac ccagttacca tccactcact cagaacatga tgaaatacac tctgagttct 240
cgggaaacat aaccgtgcaa ccttatattt tgcaaacaaa tgtgttcacc ggtggcatgg 300
gtgacagata tcatagaatc tacctctggg ttgaccctac aagagaatat cacagatact 360
cagtgtatg gaacatgtac cagattgttt tctatgtgga tgactaccca ataaggggtg 420
tcaagaacag caatgacttg ggagcgaagt ttccatttaa ccaaccaatg aagatatata 480
acagtttgcg gaatgctgat gactgggcca ca 512

<210> 7034
<211> 332
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220082h12d1
<400> 7034

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gggacattgg catatctttt ggtacatacc ttaaactggg gttcattcca ttttaactgg 120
aattgatgat ggcctaaatt attaaccatt caagcaataa ccccaaattg aattttggat 180
caacacttag gggcggcctt tatgaaatta aatggatggg aactttatgg gaatgggaat 240
aaaaattgga gatggcagct catattaaat tatatgtccc gggaggggtct atggcttaaa 300
agggataata cccaataaaa ctggttgaaa ct 332

<210> 7035
<211> 561
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220083a01a1
<400> 7035

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tcttgccaac cctcacattc tcaatctcac agggtcagat aaactcaaac tcaatccttg 120
tcgctctggt ggactcccat tacaccgaac tcgctgagct tgtggaaaaa gccatgcttt 180
tgcagactct ggagaacact gtcatgaaca acagcaacaa catcacaatc ttcgctccca 240
gaaacgaagc cctcgaacgc gatctcgacc ccgatttcaa gcgtttcctc ctogaacccc 300
gcaatctcca ttccctccaa accctcctgt tgtcccatat cgtccccaaa agaataacca 360
aaccgaatt caaaaccggg tcgacccgac acagaacttt agcgtctcac caccacctca 420
ctctccaagc cctgaatttg actcactgga atgttgagtc ttcccgggtt attaaccgga 480
attcagtaac ccgacccgac ggagtgatcc acggcatcga cactctcctc atgcctcgct 540
cagtccaaga cgaattcaac c 561

<210> 7036
<211> 198
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220083a01d1
<400> 7036

ctggactccc ccggggagag tttgaccgta ctatcactgt gagcacgtac ctaccttctt 60
tggggggggg ggggggagggc agggagatgc gaggggtagg gggcgaaaag gatggatgcc 120

cgccctata cagggatatgc atagtggagg atagaaaatt ggcgaagctt attgatatag 180
acagttgaat gcagagtg 198

<210> 7037
<211> 519
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083a02a1

<400> 7037

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tcagatgagt ttcgaagggg aagtgaaata tgtgaggcta tggaggctag caaggctgat 120
tgggatactc tttttgagcc ttatcccttt tttgaatcat acaagaatta tctacagata 180
gatataacag cagagaatgc agatgacctt agacaatgga aagggtgggt tgagtctcgt 240
ctccgccagt tgacattgaa gattgagagg cacacttatg gtatgcttca atgtcatcca 300
catcctgggtg aattctcaga caattctaga ccccttcacc actgttaactt tatgggtctg 360
cagcgtaagc aaggagttcc agtgaatgaa ggtgaacagt ttgatataag gctaactgtt 420
gaagaattta aacattctgt caatgcttac actctatgga aacctggaat gaatatccat 480
gtgtcccatg tgaaacgccg taccattcct aactacata 519

<210> 7038
<211> 205
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083a02d1

<400> 7038

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gggggggggg gggggggggg gggggggggg ggggagaggg gagaggaagc cagagaatat 120
caaaaccgga atagaccaac aggcgcagcg ataaagtcga cgcataatac gaccaacacc 180
cttgggtgaat caaaaagtaa tggct 205

<210> 7039
<211> 378

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220083a03a1

<400> 7039

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 cttcttgcca acattgctac actatcttct gtttatcaca agcctccaga tgcttttgta 120
 actcgtgtac attcagctca gagaacagaa gacgaagact ttgctgaggg aagcgaaaca 180
 gggttttctg agtcacctgc aaatcctgct aatggctctg catcacgcc tacatctgca 240
 acaggtgcac cagccacacc ttcattctgtt gcacctgtgc cagatttact tgggtgatttg 300
 atgggcatgg ataattctat tgttctgtt gatcagccag ttactcctac tgggcctnca 360
 tttacctatt tactacct 378

<210> 7040
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220083a03d1

<400> 7040

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 tggggggggg gggggggggg gggggggggg ggggggagag agaaagagga gggagggaga 120
 taaggagctg ataggtacgt aaattgaaat aaaagcgcgt ggtagcacta taatgcaagt 180
 tagccoctta agaatcctaa aaagcctggc acgcaaaggt gcttaccctg aatgaagccc 240
 aaaccagaag ggagagctaa agaacagaga tgtatattgc gttaccagag ggagtaaaga 300
 ggcgaataaa aatgagagag tagtaatgat ggatacaaaa aatatggggc aaaatatagg 360
 gatttagccg aacacgtgaa agcctgggtca aaaaaacgct acaaagggtta ccctggccac 420
 gtggcaggct atagggcatc ttaccgggt tacgtaatcg ccgaacggta aggaataagc 480
 ctagtttggtg acccaccgaa ctgccaacg 510

<210> 7041
 <211> 287

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a04a1

<400> 7041

gattgtagtg agaacactgg attgagcacg acaatctgaa agaggtacag ctctggcagg 60
 atggaatctt ttgtgttgat accggatgat gttatctctg agactaagaa tccaaaggga 120
 cgatgaggtt gaagcagtag tattcaagtt agcatgagta tcaatcgttg caggatggaa 180
 tcttttgtgt tggagtttgt tttctctttc agtattatct ttttaaccct ctagttaaat 240
 agttaaaaag atcttaatta ataaacacat aaaaaaaaaa ggcgagt 287

<210> 7042
 <211> 333
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a04d1

<400> 7042

ggcgtgacgt tgccaggaga tttgccgtga ctgcatgtgt gccacgtcct cctttttggg 60
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 atgcggttac cggaatgaac ctacaggcgt acagattaac tgcaggtatc acacgattaa 180
 ctgaattggt aaatcatgct gtaaagtgtgt aatcgcttgg gccatttggg cttgtgcaca 240
 aaatagaagc tcccaagcat atataccagg ctagatgctt agacagatta gtggtagtat 300
 gccctcactg taagttactc gcattgtgat aag 333

<210> 7043
 <211> 625
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a05a1

<400> 7043

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 aaagtagtca aagggtggga ttgctgggtgc ggacgttgag cagcttgtaa tattgataat 120
 tacggtactt ataggtgggc accgccggac accaccaaag agtgtggctg aatacgggca 180

aaccatggac aggtggccac aagccctatc gcagcaaatt gcatggatta gggaaactgc 240
 tgcgcctaag tgtgcattag ctgctatggc tacggttgat ttactaagtg cgaacgctga 300
 cgatgaagag cggggagctg tagcagtgtg taaaactgca acatgggcta agagtagtta 360
 aaaggcagct taggctagtg gtgccaatag gtatgcagaa tgtgcgggcg aaaatagtag 420
 ttattggcta actgccgggc aaaaaagtgt gccgtacttc attggtgacc tattggccat 480
 tgttgttgcc gggtagctag cggttgttga aataaccggg atttatgcgg gtgcaggtag 540
 gacgccaag ttaaggagcc agcaggatac ggccggccag cccagagtac gcttgctagt 600
 aattaatcag ggacctttgc agccg 625

<210> 7044
 <211> 581
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083a05d1
 <400> 7044

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 gggggggggg gaagacaaaa aacagttaaa ggggagggaa caaaagctta aagtaagtga 120
 ctagactagc aaaataggta ggctaaacgt aggagaaggt aatactgaat agcgcgcaaa 180
 gtgaaagtgt aagccttaga gttaagccga ggagggatta cagttgctac gcattgcaaa 240
 attatcagta ctgcttgta aagtgcgtca ggtgttcctc atctaagtga gttaaaccâa 300
 ctttagtaca atcccaacgt tgtgcaaaac aacatatttt atgtatattt tgaggccggt 360
 tatatagtgt atatatgtgt acccacttag gcggcgccgt agaccgatat cgtgcctagt 420
 gttatctttg cggatggta atccggtttt ggttcgcag ttcgttttct tctcctaaca 480
 atggaaaacc ttatggcata ctagtaataa gtttgcaagc ataatgggga gaccgggaca 540
 atttcaagaa cgatgttgta ctggtacaga aacaactttt c 581

<210> 7045
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083a06a1

<400> 7045

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ccacgggtcta attctggttt ggtggttggg ggactcctcg tgtgcgggcg taatagccac 120
cataacagac acatgctaca taaaaaccgc tgccggcaga ggcgaaaagg actataaaaa 180
acacctggaa acccgaagtg cccacctgcc aaacaagggtg gcaatacgtg gcagaaaaac 240
gggcccctac cgggcacgca gttagtaaac acagtttagc accgaggcct gctaggggtga 300
aacatagggg taaaccacca acaggggaaac ggggggcaga atagtagctc atagtaggta 360
aagtaagaga gcggccactc atgcaaacag aaagtgtagc aggttttgca ctacacctga 420
cgттаactaa tgtgctacta gttaggagag ttaggccagg aggtaggggtt agtaaggcag 480
caaccgcga gacggcgaaa tggtaaaaat aaatttaagc gcagcaacgt gatgcaaagc 540
cggctggcgc atgctcaaag ccggtgtgcg ca 572

<210> 7046

<211> 545

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083a06d1

<400> 7046

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ggggggggcca caaagagctt aattaggaga ttagactagg aaaaaggga aattacgcga 120
agcgagatac cgattttatg aaaaaacgat aaacagacac aggagacgta gtaggggtga 180
actagtaatc tgaaaacccc ataaaaaaaa aaaaaaaccc tccgtctttg gggggggggc 240
ggggggcaaat aaaatccata aaagagtgtg gatacctgcc gtactataat ccacggagga 300
ataatctatg ggtgaagcgg cttaaataa cactctagc aagacaaaac ggaagtataa 360
aaaaccaccc aaggcgattg aacaaaagga agagtctggc agagaaggaa ggtttcatgt 420
caciaaggac ccgcaaaaaa agcaaacaaa cactacagcg accgactgaa acccacacgt 480
agagctataa agcattacta gatggtaaca gcccaagtaa tctattgcac agagcacggc 540
ttaga 545

<210> 7047
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a07a1

<400> 7047

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 gtgtacagca gagggcaatt agatcgcata actgaagtgc accatatcgt acagacagcg 120
 cagcaccag attggtgtaa actggaagcg ttagccattt agaacagtag atagtgaatg 180
 tgcagctagt ctgatactat aattcaactg ccacatatca tcaatcgcca ctagatcatc 240
 agtgg 245

<210> 7048
 <211> 560
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a07d1

<400> 7048

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 gggggggggg ggggggggcg aaaaactaac gaataggaac ggccaggccc agatataaca 120
 gaaggtatag gagtgcacg ataggctaag aatagagatg gtattaaata taaagtgaag 180
 aatgtgtaaa acgttataac gtagttgggg tgggtagctg tatggcttcc ccatcaacgg 240
 ccgcctcgac ctttacctag gcggcgcat gccggttcta accgcagtac taaccggtgt 300
 taagccattt ggattccgca taagccttgc aataaacaat ttaaataagac acaatagcct 360
 taagtgtttc ggtggcacg ttggtattgg aactgtacta aaacttgtgc ccgtagtact 420
 aacctttaag cccgtaaact gcttattacc cgacaggccc gtacgcattg tattcacccc 480
 tttattacta agatcagaat ttgtaatact atttaggacc agaatggccc gcctttacag 540
 cctcaacagc tgtgccctcg 560

<210> 7049
 <211> 580
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083a08a1

<400> 7049

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tgccatttgc aaccagcgcc gcgcaaaggg cttagccggt ggctgcagag cgggccagcg  120
cagcgggaagt ttttgaggat gaccgaaagg gggaggcggc taggtaacaa ggagaagggtg  180
atgcaagttg cagtcagaag ctgaaagaaa agagagacgg ccaagcccct ggagggagat  240
atgtcgtata tggcctagaa ggaaagggat gcttgctagg gggggggttag tgcagtacgc  300
ggcggaagcc gccagcctcc ggtagcctac aaactaaaaa agttcttaga ggaaaagagc  360
ctccagccgc gactccaaaa gcctccagcg tagccgccat aaaaaaaga gagaaggaga  420
gagatagaga aagaggaata aaataagaca gaaaaagaa agagaaagaa aaaaggaaaa  480
aaaaataagc caggctaggt aaagaaagga aaaaacgggt agcacggtat agaagaatta  540
acgattacta ttaaagaaat gtaggtaaca cggtaaaaga                        580
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<210> 7050
 <211> 550
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a08d1

<400> 7050

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agctgccgag gatttgcgtg ctacatgtgt gcagtaccgc ctgcttgggg gggggggggg   60
ggggggggcat gctaataata ataagaatac aaataagctg ggacgtggtg ggcagaatgt  120
acaaaactgg gcaaagaaaa ataaagggac ctggcgtaag ataggaacgt tgctgggagg  180
tgtcggcctg ataggttcta aaaccgcgtg acgtatgtaa cagcaacggg agagtgggca  240
gaggaggttg gaatcaacca caaataaata tgcaaattaa aagaagcaag ctttttttac  300
gtattactgc taacctatta ggctggtaag cgcggcagtg attattgagc taaaaaagca  360
aatgacgagg atatcgtggg tttggcgggc ctaagaaaag ggaacatgtt gttatgttta  420
aagaggccca cgcacaactg cttaccaccc tgctattaag cttacactta gtaggactag  480
ctgtaagcat aagccgtgta ctacttgtag tgtttactaa ggttggtacg ctatgtgtta  540
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002220-ETFE50

actaggtgtg

550

<210> 7051
<211> 430
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083a09a1

<400> 7051

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tggctctttct tctactaagc ggcatcaatg ttctagttcc tccgcatctg ttggtgtctc 120
cggggcagat cttcatctgc cattggcaag tcctcctctg ctgttatctc agtgttcact 180
agcctcccga tctcgatcgc actagcctcc tgtgcctcct aaatcctcat aggtctctcc 240
tccacctcct cgctcacagc ctgcccact actgctatgt ccccttcgcc tatgtccgct 300
gcttccgcgc ctctcatctg gatgttagcc tcgcttggtg tcgcctctct tattatgatt 360
ctaatttca cggtacccat ctctgggacc ggggccaggg cccaagtagt agcccaccta 420
tctgttggtc 430

<210> 7052
<211> 571
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220083a09d1

<400> 7052

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gggggggaaa gaaaggatga aatagaaagg aatgtactgc gcccgactat aacaaaggtg 120
ctggtggagg ataacagtga ttactaaacg gccaaaggag aacaagaata agccagttta 180
tggaggttag tccataggta atagttagat tagatcccag tatgcagagc gccatacatg 240
ttatagccta gattagaatg aagaaaaaaa tagcctagac tagaaagaat taaatttaaa 300
gaagaaagca gataacaggt agttagcaat aacataacag gtggactgag ggataaagct 360
ataagctggg tgcagtgtgg tggagcgttt gcgtgggata ggaaggtggc ttaggggtgt 420
tagccaacgg ctaaattgtac taaacaaagg cgtaatgcat ttggttaacta aggtaagcag 480

ggcacttggg cgcattgcacg ggcgtaataa gctaccagtg catgcaaaga cattttggtg 540
 tggaagtata gcatgagacg actgaacagt a 571

<210> 7053
 <211> 533
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083a10a1
 <400> 7053

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 cggttgcatg gttgttaaaa atattggtgt tggaggagaa gttgctgaag cggtttatgt 120
 tgtttaaact attggtattg agggatatgt tattaagcgt gttgatgttg ttaaaaatat 180
 tagtggtgct ggagacgttg gtaaagctgt tggttttgta gaattaattg tttgagctat 240
 tgatattggt aaaaatattg gtgctggtgg agaagttggt gaagcgtttt atgttggtta 300
 aaatattggt attgagggat atgttattaa agcggttgat gttgctaaaa atattagtgt 360
 tgctggagac gttgttaaag ctgttggttt tgtagaatta attgtttgag cgggtaatat 420
 tattaagcat attggtgtta aggaagacgt tgtaaagcgt gtttatgatg atgttaagaa 480
 tattggtctt ggctaattaa ttggagcggg taatgtttgt aaatatgttg gtg 533

<210> 7054
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083a10d1
 <400> 7054

ctaatcaata ggggtactta aagcagcacc gaccagaact ataattcaag ttccaaaaaa 60
 aagtttgatt tttctaacca agagtgggtg ttagagcagc accgaccaga atggttaggg 120
 aatacactcc aaaccgggac ggggttatag acgacgcacc gtttagtctg gctggcgctg 180
 tttcgttcga cgacgacggc gtttgagatg atcccgacga cgacgacggc gaggggggtg 240
 ttgccgcgcg aaacggtaat ggcggcgatg ttgccggggt gagggaggaa aagggt 296

<210> 7055

<211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a11a1

<400> 7055

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 ggcgcgtttg tggggaactg aggggttggtg tggaatataa ggccggcgct taaggcttag 120
 acgtattaat taaggaataa accgagagag agtagtagag tagtattaaa gcaaaaagag 180
 gcccggcagg ggggtggcacc gccgcctgat gggggcgccgc ctacttatac tgccgactgg 240
 ggattaacat gggcaaagaa tgcggccgcc gcactcgctt aaaagtgagc acaagccaaa 300
 ttggtgtata tgtgtttggc atacacttgt gcctgtgcct gggtcgggta aaaaacacga 360
 tggcggtcca aaaaggcata gctactgtaa ctggcgcttg ccgaatgtgc tgccaatacg 420
 aatgcttgag gagggagtgg tgtgcccctt gatgtagcat caaagacatg agcacggggg 480
 cccgaatggc acgccgcagt tggatatgtg ttatatcaat cgagggtactt aaaccaaac 540
 caatacacia taatacgggt agtgagccgg tc 572

<210> 7056
 <211> 540
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083a11d1

<400> 7056

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 ccatgaatat aattttgcac gctataatta tctttcgcca caaacaatgg agtagtgctc 120
 aacaaagcac aaaccaacia taataacagt ttagttgca ttaatttaca caagaaagta 180
 aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataattgat 240
 gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa 300
 acgtctgata tcagtgcaat aattgtaaat catgtaattc ttttgcaccc aacggatctt 360
 tgcttgcccc gtggcgcca gtgattggcc agtggaggaa gaagtttggg aattgaagtt 420
 tctgtatgag gctgtgaatg gggccttgct ccaatccgtt ttcacaagcc cacccttgt 480

ggcccaatcc ctagcggtcc aaagactaga gtatattctc atggggtgct ctttgggatg 540

<210> 7057

<211> 595

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083a12a1

<400> 7057

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caaccgtgtc tgagatggat aggtttgatt ggatagccag catgtgcatg agattagtgtg 180

tagtacgcct agcaactaaa cgcatagtcg cggtgctgca tcatgtaact acattagcaa 240

acattatggg tgtcaactta tatgtggggc ctgtatttaa attacaattg cgctgtgtaa 300

cagtacaaac cccaatagct cgaaaagttg gtcgctggat ggggaccata ggtatcggcc 360

gcttaaaaaa cgcaattact aaccaacta tcatggctct gggagcagca ataatcttta 420

gcgtgggcca tattaggcgt caccaattcc agtgtaaaat taaccgtagc gtacagtggc 480

aagtcggctg gacaactaac tacggtgagc attctgtgca tgctagtga aaatatactg 540

gttgtggaga tcacgctgat aatagtcaat aagtcactgg acatgtgcat agcct 595

<210> 7058

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083a12d1

<400> 7058

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acaggagtga tggctcatgg acacgcgaaa ttgaatatct acctctagca aaaaggctat 120

ggttaacaag aatctttcca ggatgaaccc ccttgatagg ccacttattt taatgcagaa 180

tgtaaagaac ggttacagcc aggacgggcg ggcacccaac ttgcgcttgc actcatcatc 240

acctgcatgg caatgttgat atgcaccata cggcgcaaac ctactgtgta aggagtaaca 300

tgcaataacc tgccagtcac gctagcatag ttactgagag accagcatgt tccaaacttt 360

tcaaatgcat gactatcctc atgcagggtca ctaactgcac atgttccagt cctggactca 420
ccatcaatga ttcttgatat ggatgacatc taagatgcac tt 462

<210> 7059
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220083b01a1

<400> 7059

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acggcccaga ccgagtcaag tacttgggcc cattctctgg cgagcccccg tcctacctaa 120
ccggtgagtt cccaggcgac tacggctggg aactgctgg gctttccgca gaccagaaa 180
ccttcgcaa gaaccgtgaa ctgcaagtga tccactccag gtgggcatg ctcgagcct 240
tgggctgctt cttcccgag ttgctgtccc gcaacggggt gaagttcgga gaagccgtgt 300
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gcctgatcca cggccagagc atcctcgcca tctgggccac acangttatc ctaatgggtg 420
ccgttgaagg ttaccgtatt gctgggtggc cctcgggtga ggtcactgac ccaatctacc 480
caggtg 486

<210> 7060
<211> 337
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083b01d1

<400> 7060

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gggggcgaaa aactacgaat aggaacggcc aggtccagat ataacagacg gtataggagt 120
gcaacgatgg tattaaatat aaagtgaaaa atgtgtaaaa cgtaggggtcg gtgggcatct 180
gtatgggttc cccatcaacg gccgcctaga cctttacctc ggcggcggca taccgtact 240
aaccgcagtc ctaccgggtg ttaagccatt tgggttccgc ataagccttg caataaacia 300
cttaaataga cacaatagcc ttaagtcgtt cgggtggc 337

[illegible]

<400> 7061

<210>	7062
<211>	215
<212>	DNA
<213>	Glycine max

<400> 7062

<210>	7063
<211>	320
<212>	DNA
<213>	Glycine max

[illegible]

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gttcg	gattc	ccatt	gaca	tttcta	aatca	aacta	acaaa	ctaata	tattg	ctgata	aaaga	120
aaaaa	gaatc	gtaat	gattt	tgatt	gatag	tctct	tattt	tgtgt	gagtg	ataatt	tgtga	180
tgctt	atgta	gctaag	tcaa	catgg	ctcac	cttga	agatt	caagt	gcatg	gaattc	gagt	240
atacct	cacc	ctaag	ctcaa	tgaaga	aatt	ctgtc	ttctc	tgtcac	ggag	aactgt	tgtct	300
gctcac	ccct	ggcac	gattt									320

<223> Clone ID: jC-gmf102220083b03d1

ccagctcgac	ctgaggcaga	gtttgccgct	tactagctat	gtctagtgtg	tgcagtatca	60
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gaaccggggg	ggggggccgg	aatgcaaaag	gtgggtagcg	cggatgaggg	ggttaagttt	180
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tccgggtaag	ctaaacgggg	aaatatgcgg	gccataagaa	ttcagctagt	atggcgctag	300
ggtaaaatac	cacccgaagt	ataaagcggg	agcccgcggt	gtaggttaag	gggatgtggg	360
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<223> Clone ID: jC-gmf102220083b04a1

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tactctttga gactgctctt ctaacttctg gggttcagcct tgatgatccc aacactttcg 120

gtaacaggat tcacaggatg ctgaagcttg gactgagcat tgatgaagat gctggtgaag 180
cagatgctga catgcctcct ctcgaggacg ccgatgctga tgccgatgct gagggtagca 240
agatggaaga cgttgattaa atctaactta attattgatt tgcctttgtg tttttagaaa 300
caatgattgg ggaacagtct ttactatgt ttatgttttg aattttcgaa attctggaat 360
gttggttagt taggtgccgt ttcctggatt agtagtgat ttagtttcta tatggaaaat 420
ttgtgtcagc tttctggcc 439

<210> 7066
<211> 411
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083b04d1
<400> 7066

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acaacaataa tggaacaaa acatgcgggt ttagtaccg ggtaaaaaaa ataggccccc 240
agtaagaagg accccacctg gaaatcctgc tggtagtac tgatttgtag tggtcctaga 300
tctactcctc gttcacacac cacctagcgt actggtgcag agtttactcg cggtagaaag 360
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<210> 7067
<211> 200
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083b05a1
<400> 7067

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ggaagcgcag gaaacaaatt ggactcagct agtaacctaa cagattttct ggaggcgcaa 180
aagagtgttt agctaggctg 200

<210> 7068
 <211> 490
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b05d1

<400> 7068

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 gacggcccac tagtatgttt aaacaccac gcatgggaag agttggactg ctggtgccgt 180
 ttgcatgac tgatagcttg acacttcacc caggtaactc aagtagctta ccggtgtaaa 240
 ttagcacacc aattgatcca agtttagcac agctattgta tcgccactga tgatatgcct 300
 ggtatgtttg cgagagcttg tactgggtga atggggcctg gcggtttgtc cactgctgga 360
 ttgaagtga ggtgtgagta taacagtgcc aacgctaggg atactaccat gcaaataagc 420
 cctcagtaat ggctgtagcc aagttgccct accgcaatgc gctgctagca cactaacccc 480
 agctatgggc 490

<210> 7069
 <211> 474
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b06d1

<400> 7069

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 tacaggccca caactgttgg aaacattcaa aaaataatac ccaactcggg gaaataaagg 180
 ccttgcgggg aacgggattc cccagctgga ggaggtaccg aagaaacagt ttaacgccta 240
 ttagggggaa cggggaagg tttgtgggaa atttcggaaa aggggggttt aactaatggt 300
 ggaaaaacta ggcggaattg gaataaaaa tcattggggg tttattaaaa gagttccaag 360
 aaccctaacg gatttaggga atagggttac agggggtaaa ataggagttg ttgcctcggc 420
 catggcatta gggcttgccc ggaaattttc tcgggggttg gttgcaaact ttgg 474

<210> 7070
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b07d1

<400> 7070

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aaaaaaagta gacaaggggg actggatagt gatagaaagc aaggagaggt agtaagtcgc 240
aggcaccgtt cggtgagcaa aacatggaag agtgccgcga gaagccccgt ggtggtacag 300
cccatatcat gcaacagtgg cgttgtaggt atagtagcgt gcgtagcgaa taaagataaa 360
cagcgtagaa ctatgattgg agggcagtgg gttggaaaaa agagcccatc aaaggcaaaa 420
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ccctaaactg ctaaaacatt aaggtcagga ccgaag 516
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<210> 7071
 <211> 523
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b08d1

<400> 7071

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aaggggggaaa aatcgcgaga gagaagtatc aggggaaatt atacaagagc aaaagagaag 180
gctaggatag cggattactg gccgcgccga agattagaag agaaacttaa agccatagaa 240
gcgggggaacg cgacggccac taattcggtt attggatgag agccactaaa ggggtccacc 300
tagcataggg gttaccaa atgcattgctat cttgtacttg gtggtgctgt ggggtctaccg 360
gggtgtggtg tgtctggggg actactagcg gattgggctg catcgaggac actgaaatcg 420
gtgaaagttg gtgggctggc gatgcggagg ttggctgtgg ctacttgag agactctgta 480
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523

<400> 7072

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<400> 7073

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caacttacgt gggatatggtt tacaagccca acccccaccc cccaacccta aaattctttt 420
 taaagggccc cagcacaat tate 444

<210> 7074
 <211> 542
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083b10a1
 <400> 7074

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 caaccacgag ggtcgtcgtc atcaccacac ttgtgcaagt acccctcttg ccaaaagtaa 360
 gggtttgtgt ctcattgggc ctaggccttc caaactccat gcgcaaagta ggctcatgga 420
 taaacctttg catacgattg caaataataa tgcattgagca actggcttcg tccagctgct 480
 ttcgaaacgg cagctgtgag gctgaatgca ggtgaagctg ggctgtgcgc caagttgtat 540
 ac 542

<210> 7075
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083b10d1
 <400> 7075

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 cttcatttaa tcaaactcgc ttcaagtacg ttaatatgcc taagccagca acaagtgcag 180
 caccagcagc ggcggcacta tatgctgaag cccatgcac tgaataagca taacttcctg 240
 aacgagaacc tttcacatta tcacgtggtc ctgcgtagtc caaatgcaat ttcaaccct 300

tcaaaccagc tgccttgca tgatccacag ctgctgcaag atcactgtct gaagccaata 360
 caactttatc atgatcttcg tcttcataca gaatttgggg tatgttggtta ggatcgatat 420
 catcaccaag tctctgaa 438

<210> 7076
 <211> 572
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b11a1

<400> 7076

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 acgtattaat taaggaataa accgagagag agtagtagag tagtattaaa gcaaaaagag 180
 gcccggcggg ggggtggcacc gccgcctgat ggggcgccgc ctacttatac tgccgactgg 240
 ggattaacat gggcaaagaa tcgccccgcc gcactcgctt aaaagtgagc acaagccaaa 300
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 tggcggtcca aaaaggcata gctactgtaa ctggcgcttg ccgaatgtgc tgccaatacg 420
 aatgcttgag gagggagtgg tgtgccccctt gatgtagcat caaagacatg ggcacggggg 480
 cccgaatggc acgccgcagt tggatatgtg ttatatcaat cgaggctactt aacccaaacc 540
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<210> 7077
 <211> 545
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b11d1

<400> 7077

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 aacaaagcac aaaccaacaa taataacagt tttagttgca ttaatttaca caagaaagta 180
 aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat 240

gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa 300
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 tctgtatgag gctgtgaatg gggccttgct ccaatccgtt ttcacaagcc cacccttgt 480
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 tggaa 545

<210> 7078
 <211> 668
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083b12a1
 <400> 7078

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 accgccggtg ctgacagggg gccttaacgt tagggcccag caccctgacc aggctatggc 180
 tgcaaaaccc gagtaaagag cacgataaac aacaccatgg caccaataac acgttgtggt 240
 gttgttaaag caatttccgg tataacaaca ggttccggtg tagttataag cctaaattta 300
 gggcgcaagt ttgtaggctg cggtagcata ggcaccaccg ggccaagcat acaaagtttg 360
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 acaaccgatt tggcgctg gtaagctgga ggcaggagg taggcgaagg ttgggattag 480
 gcaggtgaac ggggctgggg acgagacaag cagctaagg ccggcgggta ggattagcgg 540
 ctgcttgagg aggaaggtgg atttgcagg acagctaagt gccaagagcc cacagctaga 600
 agccgaccaa cagccgtatt aggaccagga aagatgtgat ggggtgggaca gttgggggtt 660
 tgacagtg 668

<210> 7079
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b12d1

<400> 7079

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aggctaagaa cgaccaatgg aaaaccacta cttcacaatg gccattaagc tccaacctac 120
tcaatgccta acttctttct tagatccata atgaactcat aaaccttttg ctgatcagga 180
agagacttgg caacgctttc tttctgaagg cacctcttgg cccaagcaat aaacttgggg 240
cactcactct ctatgttgag ggtgccaaaa gtctcatagg ctttgaacca agtgtagaat 300
ggaacaagcg ctatatccac aaaacctaga ttgtctctc caaaataagt cttgtctccc 360
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tctcttttg atgtccaaat cttccttcca agatcatata tctattcgac attgagaatt 480
aacatgcaaa tagatcataa agtgtaagac tgagatcagg gaggattaag agat 534

<210> 7080

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083c01a1

<400> 7080

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caataccgat tgtttcttct gtgcttatgt atggttatta catttgtaat actacagtta 120
tttagccgtt gcatgcatga atggtgtgtc ttctattaat acctttgtgc acagcttggg 180
aggtatctat caacttagct gtgtaatttt gcccgaagtg ttaaaaagct aataacacaa 240
aacaaaaaga gaaatacaga accacagata agaggcac 278

<210> 7081

<211> 494

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083c01d1

<400> 7081

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggccatat 120
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 aagacaatat attttgggga gctagctaata cccgaaagaa tgctgcgagg ataaagccgg 240
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 cgatcccgtt ggctaaactg agactttggt gaggcccga ttgaaaggga aggtatgcct 420
 tcgtcgggga taatcgacgg atgccccaaa tttgccgagg atttaatgga agtcttgccc 480
 acaatagggt ttgg 494

<210> 7082
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083c02a1
 <400> 7082

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 aaggccttga agtcggagtg tgggttaagg atctcttagg agctgcttct gtcttgactg 180
 aagaaatgga ggtatatggc aaatctatgg ttgcaggtcc tgcaaatgtt atttttctgt 240
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 atgaacatgt ttgtggaaac atgtatcgct gcaagctaac tgggctgact cacatctgtg 360
 ataaaaactg taaccagaga attctgtatg acaaccatag ctccctttgt cgagctagtg 420
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 ttgat 485

<210> 7083
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083c02d1
 <400> 7083

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 ggggggaaaa aaaaatcaat ttccacaggg ggggtttacc ggataaattt ttccccgggg 180
 aataaaagga tagtccctgg ccagttaaaa ccaaaaaatc ccaaaaaaaaa ttggggtaac 240
 ccggaccaa ggggttggga accccaaaat tagggggaaa tttttaagga acacccaaag 300
 cgggtttcct cccaagtagg cataagccgc aaaaaccttt ttccccagg gtttcccaa 360
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<210> 7084
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083c03a1
 <400> 7084

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 ctctttaaca tggcacaaca ccaattacgt tgtgcaatca actatgtttc aagggttttt 120
 cttcaattct caaactaaaa agtaaaagta ggtcattttt ctggcagagg tccctctcgc 180
 tgcttctttg aactccgaca cagattagtg ggcataatg atggctgcga gctgggatgg 240
 aagtagtgac cctggcagtc agtcagatga tagctttctt gagaggttgc acattgagcc 300
 tctttatgat gcctttgcat gtccgctgac gaagcaagtt atgcgtgac ctgttacttt 360
 agaaaatggg cagacttttg aacgtgaagc acttgaaaaa tggatcaagg aatgtagaga 420
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<210> 7085
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083c03d1
 <400> 7085

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 gggggggggg gggaagtggg ggggggtggt gaagtgaaga agaagatcga acaaacccca 120

taacgaaacc agaataaaac aacaggttta atgataaact caaccacaa tacaattaac 180
 tactatagta aatcaaattc taaaggctaa atgcggagaa aattagagtt ggtgcacgat 240
 agttaagcca acagctttga atccaatatt caaatcaata aagtattctg gacataacta 300
 acctaaatta acacgtagca ttccgatgaa tgcaataaat ctccttttag atgagcca 358

<210> 7086
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083c04a1

<400> 7086

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 gctcaagcat cgagcaatgc atgcattact agatagttcg ttagtatctg ctaagttagc 180
 gctgatgtat atcctgctag atactcactt aacaacacaa actgtttgtg ccacatatgg 240
 gatgcgaatg cttaaaggta atgcagccta gctgagttct aatgctaaaa aggccgtttg 300
 gcaatcttgt tgaggctaag cctaaatagc tgtgtgaacc tgcaccaccg cgataaatca 360
 ta 362

<210> 7087
 <211> 332
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083c04d1

<400> 7087

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 gacgatttgg aaacagccgt taatagatct attctcaaag taacctttta ttttaatttt 180
 ccctaaaatt cctattctgt ttctcctttt aaaaaattat tctccatctt ttaatttgga 240
 acctttccta aaatttcagc atttacttaa ttttttgccc cctcctttt tttttttttt 300
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<210> 7088
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083c05a1

<400> 7088

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actgttcattg taaccaacgt gaactcgggg agtgagttgc gtatacacac aaatggtaat 120
atcccccccta ccagggaag tattcgtgta tgctaagcgc agcgcagcta cagtcgtcgc 180
gcaacattgc gattgatagg ggtgcgaaag ccaagtttgc acaggcagac tcacgtagca 240
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<210> 7089
<211> 589
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083c05d1

<400> 7089

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gcgggccact aggatgttta aacacccgcg tatgggaaga gttgggggtgc tgttgctgat 180
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tggtatgttt gtgagagctt gtactggta catggggcct ggtggtttgt acaatgctga 360
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<210> 7090
<211> 552

[illegible]

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gggggggggg	ttaaagaaca	gagaatatat	tgcgttacca	gagggagtaa	agagggtgaat	300
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cacaacacgt	gtaagcctgg	tcaacaaaac	gctacatagg	gtaccctggc	cacgtggcag	420
gctatagggc	atcttaccgg	ggttacgtaa	tcgccgaacg	gtaaggaaca	agccgagttt	480
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<400> 7091

3152

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580

<210> 7092

<211> 593

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220083c08d1

<400> 7092

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tatgaatata cagctaaatt atgacatatg gcgatggaac tagctggtat aaacgtagga 240
gtagagttta ggagttaatg agacatcact ctggtagatt gattaagtgg tttaatgacg 300
tgcaactggg caccgacgaa aaaaaccct gactagtagc gagtattact actgacaaca 360
tccgaataaa ggtggatacc tctagcctct agcctctatt aggagcatag ggttatgaca 420
caacgcaata aattagacgg agattattaa ggttacaaca gatagataac tgtaacagc 480
atgccagggg agggagtatt tgtgcgttat tagaaacagc tggcgggagt ggtaagtaat 540
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<210> 7093

<211> 470

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220083c09a1

<400> 7093

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ctagcgccca caccagcggc aagtgaata gctggtatgt acggtgaggc ggcataagca 180
gcagcgaaag ctgcaacata gtaggattcc acgggtgccc taatacaaaa agcatgtagc 240
gatagtgggg caactagtag ggagccagct gcagacagtg ggctagcgta tgattgtaat 300
gcaggtgatg aggccgtaac agcaacaaag cagcaagaat aggaacctgc aaaagcgcca 360

acacgctcgg caattaataa accatgatag gaagcctcaa taagggacag tacatgtgaa 360
 aatacgggaat taataactgg gtggggagct gacgcaatct caacgttagt ataatcatag 420
 aggagagagt cctagacaga atattcgatg tgtgaagagt ttagatgagc aaaaatagcc 480
 agagccccgc caccaaggga agcaaattgg agagcagcaa gcccggaata accctcatct 540
 attccta 547

<210> 7096
 <211> 453
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083c10d1

<400> 7096

atggaacaag ggcagaagat ttattaaagc cgcgtaagag acaacaagta ggtacgtgga 60
 gtgtcttagg tgacttacc acataacata aagtgcatt aacaaacata gctaattgctc 120
 ctatttgaat agtgcataac agcatacctt attacatata gataggagca aactctagct 180
 agattgttga gagagggtgaa ggtactactc aatgtagtac atgggattag gaagcttaaa 240
 ggtcctgctt tcgcctctgt ggtctccaag caaatcgctc cattggtctc caatgattcc 300
 aacaattctg tatccctgcc ttaacagatt ctctctcatt gctgatttgt atgaaagtgc 360
 atttggagtg atacgatgtg gatccttgag aattaactgg taccatgtgt ggaagccaac 420
 cttcttttagg cttgcttctg atacgggcat ttt 453

<210> 7097
 <211> 598
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083c11a1

<400> 7097

ggactcacta ggactagctg tcgacgtgtg ggtagcaact gtccagggtcc tgtcaccaac 60
 aggcgcatag cctgaagggc tgtataagcg gggggcggag ccaaagcaga agacgcacgc 120
 cgtgtacggg tccactaacg ccttgcaata gcaaggatga tggcggcacg gcgttggggc 180
 ggcaattgcg gcggaacaat atgcgtaata cactgtgcta ccagcagttt atttgactgc 240

taccgtggcg gacaagctat ggtagcatg cgggtagaca cccagcgcag ccggtacggg 300
gcaggcatgt tatgaaccat aatatactac aaaaccagggt attactaaag ggcaactggca 360
cacctgagca acgtagtcag catagtaacc aacactggca aaagtaagct ttcccacgcc 420
gggtagctct gcagagggcg cttagccttc tgacacagct acgggggtggg ctacccccgt 480
tgcgagagca tagattaaaa ccgaccaacc agccaataac cgttaaaagg caacagatga 540
gtaagtgctt gctttttggg ngtaagctgg tgcactgtag gtacagcggg ccctaatac 598

<210> 7098
<211> 507
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083c11d1
<400> 7098

ctcaataata ataataatat ataaatttca tgggaacaat tatgtagagt tagttaacca 60
gacatattat ctatgattat gacatacaca ccatgtgctt tcatctaata gcaagtggca 120
acttttaaga gtttctccc ccaactccata caatcacaaa cccacaatag ttcaatttat 180
tttatggcaa tttttccgta cttccccctt gaacccttct ttgacgtcga gcatgctcat 240
cttcaccatt gcttgttggg aatccaagaa aaacaaggct tggttcattg cataagcatt 300
cacaatgttc ctctgttgtg ggctgttgtg caacgtttgg tccgatgtaa gaaccccggt 360
gtttgagacc aaatcgttga agtatctgct gtcaaaatcg ttcctcgtgg agtcaaaggg 420
ttgctcagca gtgtcaccgg cactgcatgt cttggagagt gtctttgcaa attctgagtc 480
caaaagtggg tccacttggg tcagtct 507

<210> 7099
<211> 572
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083c12a1
<400> 7099

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ctaagtatta gtgggccagt aatttggtta gggcgggata agagccaata catttgtgtt 120

gggcaagggc actagcaagg gcggtaaaat atcctaacac gcaaagtgcg gcagagctag 180
 ttaatgcact tagccaggtg atgcccgggc gaggtaccaa tgaggggtgag ggccaatgag 240
 tacataaaca tgcaacacaa cgtgggaaaa agtactcaag tgttacgcac agtactaaac 300
 ggtaggctgt cccaaaatgc caggcggcta ctgatccagc ataaaaatag gtatcgtgat 360
 aaggagcata aaagccaaaa cagacgacaa gggctccaat agaaacagga gagtaccacg 420
 ggactgcggg agttgcgttg cttagagcga agagtactgg tacagcagta ccggtgaaaa 480
 ggcgccaagg ccaacaaacc ggccgtggca gagcacaatg ggcaacccta tgtataggag 540
 cgcagctaac gcctaggtaa tttgaacagt ta 572

<210> 7100
 <211> 526
 <212> DNA
 <213> Glycine max.
 <223> Clone ID: jC-gmfl02220083c12d1
 <400> 7100

aaaaaaatat attatatata tcaactcaaat ggcaacacat taatccgaac acacaggtac 60
 atacaccaat atattacata aggtaatatg tagattctaa attaatttat tctagtaact 120
 agtaacaact cagaaataaa caaccaacgg cagaatatga tggtctctgg gcagttaagc 180
 tcatcataac tagtcatctg gctaccagat gttggcttat tggggctctc cttctgaaat 240
 cttacaatt agaaatcctt ggtcacaacc aaatgcaagc tgagatgatc ctttcttgta 300
 tccaatactc catactctct tgagaccaa gttcaacgtg gtttgaagcc tgtaagtga 360
 agcatcccat attttaacag tagaatcctc tgaagctgtt attattatag gaagctcagg 420
 atgagcacaat attgctgtaa cattgttttc atgtccttca agcgtctgta cacagtttct 480
 agaatgataa tcccatacct tggcagtgta tcatcagaac cactta 526

<210> 7101
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083d01a1
 <400> 7101

aaaaaaaaag aaagcaaagg gtaggcattg acccctttgc acaaaggaaa agaggggttg 60
 tgttgtgtta aaaaaatatt gaacttggtt ggttctaagt agaaacaaaa attgtcattt 120
 tcccatttct gcatttttgg tttgggagag gagaaaccaa gaattaagaa atgggttgct 180
 ccgtaagagt ttgttgtgtc ttatttttgg tgttgttggg ggcatgtgtt agagggggagg 240
 acccttatag atcctacact tggaatgtca catatggaga catttatcca cttggtgtta 300
 aacaacaggg tattttaata aactgggcat tttcagggcc acaaattgag gctgtgacca 360
 atgacaactt gattatcaat gtatacaaca g 391

<210> 7102
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083d01d1
 <400> 7102

acttgcgggg gtttgctgc tacatgtgta gcagtaccac ctgcttgggg gggggggggg 60
 gatggatatt cataataaat aataagaaga agaataagt taggaggggt agcctatagg 120
 aatagtaccg tttggcaatt gagggaaaga aagaaagacg ggaaagaaca acaagagtag 180
 aagttaaata tacagcagt gagagagact gcaagggcca tagaatatca acagcacacc 240
 accaacacca taccacaaag taagaatgtg agaagaagt agcctagtag aatagcaaga 300
 agccgataac acaataacac aacacctggc acggaactta gcaagccaaa gcaagcatat 360
 gcggtaaaga aaaagtttaa gcggccgggc cgccacctag gacgacgct ttatacttgg 420
 cttatattca agactaggct ggccaaggcc cgatgtagtg tgtagcaag ggctacccca 480
 agatatgtga acagaaaagg ctgcctttaa agatgcagca atttaagtg tacattgcat 540
 aggttatagg tttataggag tttaac 566

<210> 7103
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083d02a1

<400> 7103

tcagcttaat acttatgata aggctagaaa tgctgtggct cttgcactca gtccagttgt 60
 caaagctctt gttgatccag atgggtgact gagggacata aggaatttgg atagtattag 120
 cttttcagac tggtttttat ccaaaggtgg cacacgcatg agtattacaa aaatgtggga 180
 tccagttgcc tatgcccttg ggtttattga ctgtgataat atcagtgccg gctgcatgct 240
 caccatattt gcattgtttg ccacaaagac cgaggcttcc cttttgcgaa tgctgaaggg 300
 ttcaccagat gtttatctga gtggcccat ccgaaagtac atcacagaca gagggggcag 360
 gttccatctt aggtggggat gtagagaagt acttcatgac aaatctgctg atgggagtat 420
 ttatgttaca ggactttcca tgtcaaaggc tactgccaag acaattgtga aagctgatgc 480
 ttatgtagct gcttgtgatg tcccttgaat taagagtata cttncatcaa agtgagggaa 540

<210> 7104

<211> 460

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083d02d1

<400> 7104

catgacggcg gaggtggcgt ctacatgtgt gtgtttgcag ttccgccgtg cttggggggg 60
 gggggggggg gggtgagggg taggtcaagg taggataggg agaagtaaga ggagggctgg 120
 agcaatagag taccagggga agacaggtgc cggggaacaa gttcacacgc aacggagaac 180
 ccgaggaaat cagcaagtaa ggggggggtga ttgctgttgc gccgaaaaac acggtttagtg 240
 ctgtggcaag actggatggt aaaaccatgg tgctggtttt acgcaagcgt ggccgacaac 300
 agagcagggg ggtcaaggca ccggtaggtc acggtaacga gctgtcgaat gtactagcaa 360
 aggtttggat tgctttaata gctaagcaag caacagtatt aggtccgtta agttaagac 420
 aaagaaatgc ggtgggtatc cgggcaccat tgcatgcgca 460

<210> 7105

<211> 510

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220083d03a1

<400> 7105

gaaggcaaga tgtcgaagag aggacgcggt ggttcggcgg ggaacaagtt ccggatgtcg 60
 ctgggtctgc cgggtggcggc gacggtgaac tgcgccgaca atacgggggc gaagaacctc 120
 tacatcatat cggtgaaagg gatcaaaggc cgtttgaacc gtctcccctc ggcttgcggt 180
 ggcgacatgg tgatggccac cgtgaagaag gggaaacccg atctgaggaa gaaggttttg 240
 ccagctgtca ttgttcgcca gcgcaagcca tggcgccgaa aggacggcgt ctacatgtat 300
 ttcgaagata atgctggtgt tattgtcaat cccaaaggag aaatgaaagg ttctgctatc 360
 actggtccca ttggaaaaga gtgtgctgat ctgtggccaa ggattgcang tgcagccaat 420
 gctatcgttt gagtgggaat tctgggttaa tgagttctat gcttaagctt gtaggactga 480
 aatttgtctc aggttttttt caagcttgaa 510

<210> 7106

<211> 559

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083d03d1

<400> 7106

tgctagactt gccaacagat ttacctact acatgtgtgc acgtcctcct tcttgggggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
 gggggggggg gggggggggg ggggtggggg ggtaatttta aagccccaac gggggggccc 180
 tttaaaaggg tttcccccaa attttttccc ccctttttaa gggcccccaa atttttttat 240
 tttaaacctt tttttttaa caaaaaagt tttttatagc ccccccggt ttattaaggg 300
 taaaaaaat ttttttgaac acaatttttag ttttaacta gaaaattaaa aaaacttta 360
 cttggggcct tttttaaaat accgtgtttc cccctttttt tttaaacctt taagggggcc 420
 ccccatTTTT ttaaaagatt tttccaattc caaaaaaagg ccctaaaaaa tttaccctc 480
 aaaagggggg ttttttttta aaaaaccccc cagtattttc cgaaaaaagg tggcccccat 540
 ttttttaaaa gatttctcc 559

<210> 7107

<211> 513

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083d04d1

<400> 7107

cacttgacct tagccagcag atttacccta ctacatgtgt gcacgtccac cttcttttggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
 gggggggggg gggggggggg gggggggggg gggaaaaatt taaagcccca acgggaaggc 180
 cctttaaaag gggtttcccc aaataatttc cccccctttt aatgcccccc aaaattttta 240
 aatttaaccc ctttttttga aaccaaaaaa attggaaata accccccccg gaaaaaaaag 300
 ggtaaaaaaa agttttttaa aaccaattta aattttaaac gaaaaaatta gaaaaaactt 360
 aacctagggc ctttttaaaa aaaccaattt tccccccctt tttttaacca ttaaaaggcc 420
 ccccccatth ttttaaaaaa ttttgccaat tccaaaaaaa ggccctaata aattaccccc 480
 ctaaaagggg gggtttgtttt taaaaaaccc cca 513

<210> 7108
 <211> 150
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083d05a1

<400> 7108

tcgcattaca tggacactat aggtactaac tgtccaagtc ctgtcactgt aagtgtgggtg 60
 gagaacagag tgtaatgtaa ccgaatcgct taggcgctca gggtcgtgaa ggaatatgca 120
 agtaatatgtt tggattcagg ttgagacatg 150

<210> 7109
 <211> 231
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083d05d1

<400> 7109

gtacgtgccca gggggattta ccgtactatc atgtgagaag tagctacctt cttgtgcttt 60
 gggggggggg gggggccgaa tagctagcaa tagccgagga acaggcagca caacgcatgt 120

tatggaggaa atgcatagaa gaggctataa aattggcaaa ccttgactgt tggacactac 180
 taaatgaggt ggggcgagaa ggaggggccc ctatcgccg ctggaagatg c 231

<210> 7110
 <211> 534
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083d06d1

<400> 7110

tcttgccgag gggtttgccg tgctacatcg ttgcagtacc gcctgcttgg gggggggggg 60
 gggggggggg ggaggggggg gggggggggg gggggggggg gggggggggg gggggggggc 120
 tggaatgcaa aaggtaggta gcccggatga ggggtgttaag gttaaataaa ccagaaccat 180
 ggtaagatga caaagcaatg taggaggccc ccctacgata attctgggta aactaaaacg 240
 gggaaatatg cggcccgtaa gaattcacct actatggcgc tagtataaaa tactatccaa 300
 agtataagcg ggagccccg gtaggtatag gggatagagg gaccgccaca agtatgcaaa 360
 ggctgaggt acgggtgaaa caacggaccc ttggaactgt gtaatggcg aactactaga 420
 taacgttagc cacgaaggca gcctagtaag cctactggta cttccgacaa acgtggtaat 480
 agtaatgagg ggccgtgtag gtggtggcca cgttttaaac aagtgggtgca gggt 534

<210> 7111
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083d07d1

<400> 7111

actgaccaga gaatttgccg ctactacatg tgtagcacta ccaccttctt gggggtggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggc gggggggggg 120
 gggggggggg gggggggggg ggggggggtt taaaaaaac ccccgaagg cttccccta 180
 aaaaaggttt accctttggg taacaaaaa ccccccg ggaattttac cccgaggttt 240
 tccctaaaaa gggggtttta aaaaaatacc ccattaaaa ccctaagggt taaaaaaca 300
 ccgccccctt ctgaaatttt ggggcctaaa actgggcttt aacccccca accttaattt 360

ccaaaccccc ggtggttaggc caaaaccctt cccccctttt tggaaaaacc ccctccaaat 420
 tttaaacccc taaaattttt ttaaaaattt tgcccaaaaa aaaccccccc aattaccaag 480
 gtttgaaaaa aaaatccctt gggagctttt tccccctggg caac 524

<210> 7112
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083d08d1
 <400> 7112

acttgccaag caagtttgcg ctgctacatg tgtgtagtac caccttcttg gggggggggg 60
 gggggggggg gggggggggg agagagagag gaaagagggtg ggaaggaaaa taatagcgta 120
 accggaataa acccacaggc gtaacgacca agtagacgca caataggatt taccctcttg 180
 gtgtataaaa tagtaaaggg ttaacgctgg gaaagtcca gttgatgcc tctgttatag 240
 ctagaggcca tgaatcccat tccagaattt atacaggatt ttgagcataa acacccta 300
 gggacagcaa gcgttgctag atgtctaata aat 333

<210> 7113
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083d09a1
 <400> 7113

gagatcacta ggactagctg tcgacgtgtg ggtagcaatg taccagggtcc tgtcaccgcg 60
 aaccaagtgt gccaaggggt gggccttgaa gaaagagatc ggggtggcggg gttaaccttg 120
 cgcaagtcca aggccaggg aaagggaggt aggagcgtgc ggggtgtaag tccaagtatc 180
 aataatagcc aacgcacaag gccctaaacc cgggtgtctc caagctgttt gagttgtctg 240
 tggttatattg gtactcacga ggattctgtt cattataaat tggtccgtat tcttctttgt 300
 agtcttctta atattttag tgatggctct tttgttggtt gtcatttttg taggtttttt 360
 agtcaataac gtgccggtaa tttgtattgt agttgtaaca ataaccatgg caaatctggt 420
 ggctgcgtat tcgggg 436

<210> 7114
 <211> 528
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083d09d1

<400> 7114

attgccggga atttgcgtgg tacatgtgta gcagtaccgc ctgcttgggg gggggggggg 60
 ggggggaagg aaaagtgggg ggatgaggga atgacacccg gaaaaaaaga agatgcaaac 120
 aaaaaataaa tgттаатgta aaacaggтта gttgctaатc aggcagatgt agctgaatgg 180
 caagatgatg ctggтаатtg tagtcgtttg ggccagggtg acgtgtacac aaaatagtag 240
 ttccgagtaa tataaaacag gttagttgct tagactgatt agtgttagta tggcgtcgct 300
 gtaagttacg cggtgtatga таagtgcacc catccgatat tсactggatg gatctggcta 360
 gctgatcgta gactgtgggt agactcgtaт tgaaaggtaa ggtatgcctt cgccagggat 420
 aatcgtcgca tgcccaaaat ttgcctcgga tttaatggaa gtcttggcta ctatagattt 480
 tgggtcttac tgсctcgaag actcaacagc tttcaattca gtcattgg 528

<210> 7115
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083d10a1

<400> 7115

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 actcagccaa actctggtct cagctatcaa acacaacaaa gccaaactaaa cgggttctcg 120
 gggcggtgggt agaaaaaaaa gcggaaagga ggaggggtga gcagaccagg ccgggtggcg 180
 tggggggtgt ggcgggaaca agggтccgcg aggggaatac ggcgaaacta tgtgctctgt 240
 gtgtgctagc agtagcgata atgataacta gctgtgtgcg acggggtaat tgctgctctg 300
 gctaccccgг cgaaaatgaa gтаagagaag gaaagaaagg ataggtgcgt gtgtgtaaaa 360
 aaaaaagaaa aaaaaataat aaaaaaaaaa aaaaaagaaa aaaaaaaacc ctсcttcttc 420
 atgacgcact gtcgtcattt ccсaggaag gttcctttcg attggctacc tcgtttactg 480

ggtttgagac ccacgtcagg gaaattggcc tcgaagtagc cttagactgc gggttgcgcg 540
 caaaggcgga gt 552

<210> 7116
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083d10d1

<400> 7116

gagagagacc gaatgtaatg tattaaatta tatggattag ttttacaacc cctgcaagcc 60
 catatgggtg aaaactacag agagcttgct tggagttgta catgatcctg cccagagagc 120
 ccagaggggt taacaactga gaaaaaactc cgaattgctt aaacatgaga aaaaagacga 180
 gaaaccgagc ctatgattga aaataagagt ttagcattct gtttatgaaa gagctaacgc 240
 ggaaacttgg ctaccatgtc ttccttttcg tgcaactgga aacggtttac atcgatttgt 300
 ttga 304

<210> 7117
 <211> 551
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220083d11a1

<400> 7117

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 gtaaaaaatg atacatgcag tctaggggtg ggcttaataa gatagagtgg ttaactcaca 120
 tattactgtt atggggcaac gatacacaac aacaaggcaa caagcgaaca ccccagccaa 180
 tgccacactc taaccaagcc cagaccagtg agcaggagca gcgtgataag catggcccta 240
 atttccagac tccgcagaaa gagctatctt ttcggtggcc gccggtactt ggattggatt 300
 tgtctacacc aacaattcca acacaaaaaa tgacaaaaca gtttaatacg cacaacttca 360
 ctcaggggcg ggattggtta acacagcaac tagggccgta tggcaacgta gtacaggggt 420
 gtctggggcc aagtaaagtg cgagtttaac agcgtggctt gcgtggcatg cagctaggtc 480

agccaaagag gggcacttgg cacgggcaga agngctgca acgctctaaa tgtgagcaaa 540
 cccacggata t 551

<210> 7118
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083d11d1
 <400> 7118

cattgttgaa acatgcgtga ttgcctttat tgctttctct tcgatctggt ataaaaacag 60
 aatacagcaa acacgagAAC attcaaccac cccaaatgta acttgacat acgtaggtag 120
 atgaaggaat catattcctc ctatttcaca ttattgaaaa acaggcagag tagtacagca 180
 acctcaatga gagagccctt agatagagat actgttgga attcctctga aagtcaatcc 240
 ctctcacta gaaggataga gcagagtga aggcatttta gctggcccag tgcggtttct 300
 caacgtctca tccttgttct tctgtataag cttatgttca atctcttgaa gcttctttcc 360
 aaacctcttg aaggcctcta gtggaccagc atcagaagtc cagaagtcac caccatctct 420
 ctccccaagg tagaactcat cagatgcgtg ccttgcagga tttctataat tgaagggtcaa 480
 tgagggtctc 490

<210> 7119
 <211> 605
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083d12a1
 <400> 7119

gagatcacta ggactagctg tcgacgtgtg ggtagcaatg taccagagtc ctgtcacggg 60
 cacgtggtgg cagttggtgg ggggtgtggc aatgtaaata gcctacagca ccgccggtgc 120
 tgacagggtg ccttaacgtt agggcccagc acccgtagca ggctatggct gcaaaacccg 180
 agtaaagagc acgataaaca acaccatggc accaataaca cgttgtggtg ttgttaaagc 240
 aatttcgggt ataacaacag gttccggtgt agttataagc ctaaatttag ggcgcaagtt 300
 tgtaggctgc ggtacgatag gcaccaccgg gccaaagcata caaagtttgg cggcttggtg 360

catttggatt	acacactgta	cctgacaggt	gccctgcagg	agcggcagaa	caaccgattt	420
ggtgcgctgg	taagctggag	gcaggagggg	aggcgaaggt	tgggattagg	caggggaacg	480
gggctgggga	cgagacaagc	agctaagggc	cggcaggtag	gattagcggc	tgcttgagga	540
ggaaggtgga	tttggaggga	cagctaagtg	ccaagagccc	acagctagaa	gcgnaccaac	600
agccg						605

<210>	7120
<211>	584
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220083d12d1
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<400> 7120

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tcaatgccta actttctttct tagatccata atgaactcat aaaccttttg ctgatcagga	180
agagacttgg caacgctttc tttctgaagg cacctcttgg cccaagcaat aaacttgggg	240
cactcactct ctatgttgag ggtgccaaaa gtctcatagg ctttgaacca agtgtagaat	300
ggaacaagcg ctatatccac aaaacctaga ttgtctctc caaaataagt cttgtctccc	360
agctgttcc ccaacaattt aagggtctct atgaactcct tcttggcagc ttctttttct	420
tctccttttg atgtccaaat ttctcttcca agatcatata tctattcgac attgagaatt	480
aacatgcana tagatcataa agtgtaagaa tgagaaaagg gaggattaag agataacata	540
tacattttgt taacatagat ccactataag atatctatac tcat	584

<210>	7121
<211>	559
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220083e01d1

<400> 7121

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gggggggggg gggggggggg ggggtctggg aggtaataaa tagggaagga agaataacca 120
 taacgggata gggggggggg tattggatag agcgataagg ctaactaagt ctatcctggc 180
 acacgtagag aggtattttg ttaggtggtg gtagctgata aaggagagga gagggaaggt 240
 ttataggggg cgggggttggg ggggggtgagg cttatgcgga tcgatatggg ctaagaaaac 300
 caataataag aaggagcaaa cttgacactt aaggaacagg caggggggtgt gaatgacttt 360
 aaactagagc gggaagtgga agtatggcta cttattacta ttaaatttaa ggtgggttatt 420
 attaatagta gatataattg tgaggcgggg tgctgctatc ggtttagaga gacgaatagt 480
 atgagtcgta ttagggctac taaaacttaa ctaaattggct ggcctatgcc ttatcgacac 540
 gagtttggt cctccaact 559

<210> 7122
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e02a1
 <400> 7122

ctgggtctcca agatggtttt caacaaagag tagacctggt ggggtgggtac tatgatgcag 60
 gagatcatgt gaagtttggg ttgccaatgg cctacagtgt cacaatgctt gcatgggggg 120
 ccattgagtt caacaaggaa atcacggact tgaaccaa at gggacacgca ttatgggcaa 180
 ttaaattggg aactgactac tttatcaaag cacacactca gcctaattgt ctttggggac 240
 aggtgggaga tggagtttct gatcattact gctgggagcg tgctgaagac atgacaactt 300
 caagaggtgc ctacaaaatt gatgaacaac accctggctc agatctggca ggtgaaactg 360
 cagctgcatt ggctgctgca gctatagctt tcaggcccta caactcttct tactctaact 420
 tcctcctagt tcatgcaaaa cagctcttca cattcgacaga taggttcaga ggtctctatg 480
 ataactccat atcaagtgt cagcaattct a 511

<210> 7123
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083e02d1

<400> 7123

ctgcctagac cgtngcgagt ttagccgctg ctagcacgtg tgcgcgagca cgttcgccgt 60
 ctttgggggg gggggggggg ggatttgga atggagctaa gggacaatgc aggcagatgt 120
 cataaggcgt aaagaacggt tacgtcatag aagaaatggg gtagaaaact cgtaagttac 180
 acaagggata aggaactgca tggcggtata ggccgtaagg ggaccaacga tgaggtacag 240
 ccggattacg tatccaggag ggtacaatat aactttgaag cgcggtgtgt tatgcgaacg 300
 tagcgagaca aagttagtgg tagctggcgg ggtttagaaa aggctacata gcaggcttct 360
 acggccgcct aaaagaggcg gaatgcaaag caacagccct ggtgtcccat gtactggcag 420
 gcgtgggttc 429

<210> 7124

<211> 378

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083e03a1

<400> 7124

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 gaccttataa gatttgatct atatccataa tactggaagg ctacttccag ttttatgggg 120
 tatgcctaaa acatttgatt gcatcaaccc atgcttaaca tgggctggcg ccgactaccg 180
 agctcttcca ccccgctatt catttcggac cgaaacctgc acgcgtacct actctcccta 240
 ctgcgagact aactacagca tggcgtagac atcgctatca ctactgcctg tgaaagagag 300
 gtatacgatc acaatcttcc aaactatata agccgtaagc ataaagagaa agcgccctgca 360
 gagcctacag agtgaggt 378

<210> 7125

<211> 463

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083e03d1

<400> 7125

gcttgccttg ccggcagatt tgccgtgcta catgtgtgca cgtccgcctt ctttgggggg 60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg 120
 gggggaggaa caaagaaagg gtggacacca ttaacccgtt taaacccaaa gaaaactggg 180
 ggggataatg ggcaagtttc ctaggttttt taaaacccaaa actgggtggg tttgaattaa 240
 ggggggtacg gtttggtttg gttttaataa ggggtggccca agggggggga gtaatttaaa 300
 gggcagcatt acccccagcg ggttttttaa agt:gtaaccc ctgtggtacc aaagaagggtg 360
 ggcccaatag gtttagcgggt aatagcccgt ttttccaatg ggctaatgcc gggacgaatt 420
 ccacagggtt tccccagcc tgttttatgc aattcactaa cgg 463

<210> 7126
 <211> 199
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e04a1
 <400> 7126

agagagatga cgagtgacta cgtagtaggt ggtaactgta ccaaggctct gtcaccggac 60
 agtgcagtag aaaccctagt tctatataac agaacagggt catagattaa gatcgtagtg 120
 ggaagccgaa agactgaaag gagtctataa ctaacatatg ggaacttgaa gtggacagca 180
 atcccaaata gttagtagc 199

<210> 7127
 <211> 583
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e04d1
 <400> 7127

cgctatgctt gaccaggaga tttgccgtgc tacatgtgag gacgtcctcc tgcttggggg 60
 gggggggggg gggggggggg ggggaagaaa acaggggaaa aaaaaataa taatagagac 120
 gctatttaag ctaactttcc ttagttttta ggagaaaagc ccagccaaca tgatacaaac 180
 cttgaaaaga ctatgaatgg aacaggaagg cttcggcacc ttattgtggt acgtgtgaag 240
 agcagagtcg ttagcgtctg caaccaggca ctaatgggtt gaaggatgat acgaaagtcg 300
 tgatgtgcag ggggctgggc aggggtggct atggcagctg tcacaatggc gatattgttt 360

tataaagggg acaagtgtcg taaggacaag cattccaacg ctaataatta aaattaaaac 420
 ttatgtcggc aactgtaccc ctataagatt aaagatggcg ctgaacaagc ctatcgataa 480
 cagtaaaaac gctacattaa agcatatgca taggcttaaa acaacttaac ccggcattta 540
 accccctagg cgtaaaacct ggtagttgt acatacccta ggc 583

<210> 7128
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083e05a1

<400> 7128

agatgacgag tgactacgta taggtacgaa ctgtccaagt cctgtcactc gagagtgtgc 60
 tggagcacag agtgcaatgt aaccaatcg ctacgacgca tagagtcttg aaccaatatg 120
 ccagtgatcc attggactca gattaatacc caacagacct tgtgcaggaa catgattagc 180
 atttggtggt act 193

<210> 7129
 <211> 334
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083e05d1

<400> 7129

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 tggggggggg gggagggtg gggaagggga ggggccgagg accaggtata acagccccc 120
 taggagtgc aagatggaat taagtataaa gtgaaagatg tgtaaaagggt aggggttggtg 180
 gccgtctgta aggggtccga gtcattgggg gttaagccta aaaactcccc aaaaatttgg 240
 ggtaaccggg cccaaactg atgggtcacc caaaaattgg ggtaagtatt tgcggggacaa 300
 ccaacaactt ttatcgacac agtagccata aggc 334

<210> 7130
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083e06a1

<400> 7130

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acacatgact agcatcgatc tatagctagc gaatgtacca gagtcctgtc actgacacgt   60
gtgtgtgaaa atggcagaga ctacgaactg agtaatgtag ggcacctgtg ctcacaaggc  120
acaaagcctg aatcagcggc accggtaaca ctaaccacca cacgatgtgc ttaaacaatga  180
ttagcatttg ctggtactat tgggcgggtca ttacaccac tgtatataca ccgttggtga  240
gacactttgt agtctgcacg gtagactaat ttggtgtggt tgggagcgta tgcgctgtat  300
taggaggcct gataaaacct acatgcagat aatcccaccg cctattcatg cgcagccccg  360
gcctaggggc cctagtctgg cccttgagcc gcctagcagt ggcagttggc tggatgctat  420
tcttccgagg gtagcatcat atagaagttt cctacgcata ggtcccggca gttgaacatc  480
tagccgcgac ggcagaacct tcggccgcga tagccgcaa taagcgcttc cgctgagtgc  540
gccgatgcca gg                                                         552

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<210> 7131

<211> 297

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083e06d1

<400> 7131

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tgctagcggg ggtttgcgtg ctatgatgtg tgtgtttgct acgcttctcc gtctttgggg   60
gggggcgggg gcctgtggat tgggaaggcc caggctccagg tagtaacacc gctataggag  120
ggaatgtggt attaagttat aggaagatgt gcaaagtagg gtagggcatt gatggtccac  180
atagggcccc aggctttact cggcgcgcca taccgtataa ccgcagtcct caacagtgc  240
aagccatttg ggaatcgcat aagccttgca atggccaact ttgatagaca caatagc     297

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<210> 7132

<211> 392

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083e07a1

<400> 7132

gttctgtggt ggaccccgcg tatggcctct ttgagcgtag tgcggtgcac aactgtacct 60
 aggtcctcgt acaactgcga ctggtacaac agcgccgcag tgcgaacctt accgctgttg 120
 cgcaagagag cgactgcgcc agccagagaa agctgtcgga gttgggaggg atccaatagg 180
 atgctgtcaa taatagtccc tgcaggtata ggggtaggcg agctgtctaca ggtagcagtg 240
 gagctgcaaa tgggatggat ggtatagaac tggaggtaca tcccacgtag ttttaagttga 300
 tgtgtggatg tggcctagta cctaactagc aagtaggcaa tatcgcatat gtatgtgtca 360
 gatgaatgat ggatgacaat tagggatgca ag 392

<210> 7133
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e07d1
 <400> 7133

agctgaccaa ccaatttgcc gtactacacg tgtagcacta ccaccttctt gggggggggg 60
 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggcgcgga 120
 ataaaaagtt ttaaccccc cccccaaaac ctagagaccc aataagaatt agcagaatgg 180
 taagttaaaa tccagcccct taacagaaag ggatttataa agggggccca gtagtaaagc 240
 catacccaac taggcctaata aaaaaatgaa aaacggaagg ggagtttagc cacccaaaaa 300
 gggttacaaa cgtcccaagt ggagtaataa ctggccccct atttgaaccg cgagctttac 360
 ggtcagactt attagctccc aaactgggta taaccctccc atgaaaaggg gcccttttcc 420
 aaatggtagc cccgggaata atcccatgta aggcttcggt tatgccttaa a 471

<210> 7134
 <211> 514
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083e08a1
 <400> 7134

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ccgcaagta tgctgggtaa tgggttagct ctgctgtgac cagccaagct gtctaggctg 120
 ggacgtgcac cgaatgcacg gcgcgccaac ccgctgttaa taatgttggg cagaatgagg 180
 ctgctcataa actgacgact gcaacgggtg cacaccaata aaggattgcc gctaagaggt 240
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 tgccagctag ggatgccaac ggtaaaccgg cctgacagcc gttactaaat acggaagcac 360
 acagggccta aagctggctg gcacggaacg ccgaataagc taagaagacg tagccagcag 420
 ctacagagta gaggcctgcg atcagtgagg cgcaggctac tgcacccgat gctgccgtac 480
 tccgcgataa tggcttcgac atgcgggtgc tagc 514

<210> 7135
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e09a1
 <400> 7135

tagcagtgac cagtgatcta gtgttgagcg tggtcgggta gcgcaactgt acccaaggtc 60
 ctgtacactc ggcagtgagc aagacaccag gcagaaagtc tgcgagctac accataacga 120
 tctaaccat caacaacatg acgaagacag ctttgcgtag tgcagcccag ctagtagtat 180
 agcgcagcag tgcgtgtgtg agtgacgcgt aagacagctt tgcgtagacc cgctcatgca 240
 gaactagctt ttgaaaacca gcaagcatta acagtgcccg atgtcaaact acataagctg 300
 caatgccata tgcctcagtt agcatttcgg caacctacga accagcccc gacagttcat 360
 gactctgcgg cagcaactga tctgaatgtt gcagctggaa ctacacagca gatgccatca 420
 catgcttagc ctcatgagg 439

<210> 7136
 <211> 582
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e09d1
 <400> 7136

aactgccggg gatttgcgtg ctacatcggt gtagtagcac cttcttgggg gggggggggg 60

gggggggggg gccttacaaa ctgcatataa agggggttaga gacaaatgaa agatatgatg 120
 aagttaccaa atcctattga atgacttaat aggttaaaag ggtcaaaagg taaaatagaa 180
 atagacgaaa acatgcgggtt ttaagtaggc gggtgaaaaa tataaaccta aagtaagaag 240
 gaacggacag ggaagtaatg gtgggttagtg gctgatttgt actagtccta gtactagtcc 300
 tcgttgtcac accacctagc gtactagtgc tggattact agtggttagta agctgtacgt 360
 taactggtac tagttgcgca agttgcggat tcaaacgcgg ccacgtagta acctgcaatt 420
 tacaacggac aacactacgt gtaaacacga ccacaatcac agttggtata cagggcgtag 480
 gtggcgtagt agtactgtct ggttgtagcg tgtcacttca aggttcaactg gatcgatctc 540
 gctagctcat cgtagactgt ggtgagacgc gtattgaaag gt 582

<210> 7137
 <211> 508
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e10a1
 <400> 7137

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 atacaaaaaa cgcaaaaacc aaccgcaggc caaaccgga agacaagtta gaagaaacac 120
 cacaataata acaccctaac cggatcgcat ggccatcaga ctagtgcctt gggcttgcag 180
 catagtagtc agttggcctc accatttggg taggcatgat atagccaatc gcattgatcc 240
 cattagactt ttagaccagc gcttttaata ccgagttgt agtaagccat actggtctcc 300
 ttttcaaagt aatggtatta ctgataataa tcgctatagt aagcgcggtg ataattgtca 360
 gcacttgtgt ggcgcgatat cctagccgcg gtaatactac aacaatgcga cctaacagcc 420
 tataggcccc cttatacctt tgagtcgcta agctattaat gatattcatt cagggtagcg 480
 gaaacagtaa aggccaatgg atggtgat 508

<210> 7138
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083e10d1

<400> 7138

atgtgatatt gatataaaaa atgactagga aagggttgta catcagtgac cacgcatgaa 60
 acatgagaaa tgaactacag cctattgatg aaccctcac atcaatctca tgatggaaca 120
 atgctggagc tacaacatgg tggcactgat gatgatcgca gactaaaaat cttttaactg 180
 gagtcagggtg gaggcttacg catatccttg acgattcctc ctacaggctg gctctctggg 240
 aggatgtgct catccctaata gggacctgtt gggatacaag acactcacgt ccaatagctg 300
 acccacgtaa cgaatctctg ccatgttcct cctcgagtcc cacattccag cgatgtctgg 360
 gctaacaatga ttgcagccca agactttggg aacacttggg tgggtgtgcct gctgaccgca 420
 tcgatacagt tgctgcactt gctcttctct gggc 454

<210> 7139

<211> 585

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220083e11a1

<400> 7139

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 agcgtgatgc ggtctgaagg ttaacgctaa cataacttac attgcctact actgagcctg 180
 ttggcagtag ttagaagtat aaactggtaa aagggttgta gtccagggtt agtaacctga 240
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 tgcccggcca aaggcacgt ttggggcact acaccttcg caagcacgat gtagtgtgaa 360
 accagccaag tggcgaggtc gccccgcaat gaccgttccc agtcggtggt tgggtcttggc 420
 caacgtgtgc ctgcctacga gggatacggg gggccccctt aaggctactg ctaactggga 480
 agttggtaaa acgaaccaat aaggggaaaa agcgcctagaa ggaggcaaata agtgaagtaa 540
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<210> 7140

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220083e11d1

<400> 7140

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 tgagcagatc ttcccatctg cagtactgcc ctctgctaa tgctcgataa tacctatccc 180
 tacagtagac aggtcttcca tcagcagcct cagcagcagc agctgctaga tcatcatcag 240
 ttatcacctc gactggtaat ttaagcagct cctcttttct taagagcttt gtgttaacct 300
 tgggagcttg aacagttgat ttaatttctt ctttggtaaa ggtagttcga aaaaaattct 360
 ccaatgggtg agcaaagata aatagcataa ctctgtaac aagcaatgct cctgtcccaa 420
 ctagagtttg tttcagcaat ttaacgactg gtttaacctt gtaagagccc aacaatctat 480
 cacgagctag gat 493

<210> 7141

<211> 507

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220083e12a1

<400> 7141

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 tcgccttagt ttatcatgag ttaatccttc acagcgggtg tctcggggga ataatcatc 180
 gtaagctgcc gcacgatgtg atcgatgagt ggtaagaact atagaatcct agtgcgtact 240
 caggaggtgc attcggtgaa gtcagaatcc gatcgtgcag tgtagcatat cgcacatgt 300
 aagtttcatc gtctccgcg catctccgat gtcgcgtcat gtagggagtc tagctgatca 360
 caggtaacca gttctcagc tatatcgccg aacgtatatc atgccatcca cgcgatcgat 420
 ctgtagattc gtcacaacct gtcattctcc catttcacaa acggttatga tgttcctctg 480
 ctagcattcc acgggtctaa cccaaat 507

<210> 7142

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083e12d1

<400> 7142

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 attcctcttg gatcctacat atttatacat ttgtacatca atgagatgag attagcatgg 120
 aagtggaaat gacagacacg atagagttaa ttaagggaca tagcacatga tggtataaac 180
 agctattcgt agtgccagca atagggagct aactgtacaa aaggcttcgg atactttcaa 240
 ttgccc aaat cagtagagcg atgttgatga atttccaaga caaactcccc gaaaaagaga 300
 tccttcactt cttctgttca gtctttaccc aaataccata ccataacata ccacgagata 360
 gaataaaaaa tatttacaca gactcgcac tcccaaaata aatctgcatt gttagatatt 420
 aataataata tcagttaacc aggtacgaga cccacccac atccggagga ccactttctt 480
 g 481

<210> 7143

<211> 477

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220083f01a1

<400> 7143

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 tcgggagggg cagcatgagg aagaccgtca ccaagcaggc ctctccgga agcccatggt 180
 acggcccaga ccgcgtcaag tacttgggcc cattctcttg cgagcccccg tcctacctca 240
 ctggcgagtt ccaggtgac tacggctggg aactgctgg gctttcggcc gaccagaaa 300
 ccttcgccag aaaccgtgag ctgaagtga tccactccag gtgggcatg ctcggggcct 360
 tgggctgcgt cttccccgaa ctgttgctcc gcaacggngt caagtttgga gaagctgtgt 420
 ggttcaaggc cgggtcccag atcttcagcg aggggtgggct tggactactg ggcaacc 477

<210> 7144

<211> 590

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083f01d1

<400> 7144

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 gggggggggg ggcccgctaa aataaaacag acaagggaag aggaaaacaa agcggggcaaa 120
 taagcataga cgggtatatc actcaagcgt aagacaatag agaagggaac gaagcatgaa 180
 aatctgacgg cgccataaaa aaaggtagta cgttatggat gtaaagggcc ccctaaaagg 240
 ggaaggttac agggccaagg gtacagggga acggggccaa ttgtcctacg gaatagcata 300
 atgagagagc cagcgagtat aacgttcccc ggtttttaat tccgggggaa caaaggatta 360
 gaatgggaga acaaaggatt ataatgagag ggcttgggtca aggtagggca ttagttatta 420
 ggtagctta tcctgatatg cgggcgggtg ggggtggggg acaccagagt aggggagcta 480
 ctagccagag ggtaaaagtg ggggcgcgta atgcgggttg taagcaggta agtattaggg 540
 catgggctgg taaggccgca ggcacgctgg caaggtgggg tcagccctag 590

<210> 7145
 <211> 513
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083f02a1

<400> 7145

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 gagatcatgt gaagtttggg ttgccaatgg cctacagtgt cacaatgctt gcatgggggg 120
 ccattgagtt caacaaggaa atcacggact tgaaccaa at gggacacgca ttatgggcaa 180
 ttaaattggg aactgactac tttatcaaag cacacactca gcctaattgt ctttggggac 240
 aggtgggaga tggagtttct gatcattact gctgggagcg tgctgaagac atgacaactt 300
 caagaggtgc ctacaaaatt gatgaacaac accctggctc agatctggca ggtgaaactg 360
 cagctgcatt ggctgctgca gctatagctt tcaggcccta caactcttct tactctaata 420
 tcctcctagt tcatgcaaaa cagctcttca cattcgcaga taggttcaga ggtctctatg 480
 ataactccat atcaagtgct cagcaattct ata 513

<210> 7146
 <211> 375
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083f02d1

<400> 7146

cagactatgc caagttaatt tgctcgtatc tacatgtgtg cacgtccacc tgtctttggg 60
 gggggggggg gggggggggg ggggggggtcg tgaattagaa taacagagtt agctaaacga 120
 ataacgaaaa cggatttttag caatctacga accaatgaag taaaattaca agagaattaa 180
 acgctatgat ataccaggcc gtaaaggctt attgggtgga tagttggcct tgatgtcggg 240
 taatgcaagc caacacttct gatgccgaag gttggattag tacaccagag tggtaaccaa 300
 ttgtcagcac ttgcagggtg cgatcagcca tgcgctagac atttccttta cggagataca 360
 ctatgggtag taggt 375

<210> 7147
 <211> 537
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083f03a1

<400> 7147

gaaattgcct ctttcaagaa gcatctgagt gcttattatt tgtaatatat atagtcactc 60
 aagcttctag gatttgtgcc agctacatga aaatgggaag caacttcagg cttttgagtc 120
 tttgcctctt ggcattgatt gcatcaaccc atgctcaact tcagcttggg ttttatgcc 180
 agagttgccc aaacgctgag cagatcggtt tgaaatttgt ccatgaccat atccacaatg 240
 ctccatcact agcagctgca ttgataagaa tgcacttcca tgactgtttt gtaaggggat 300
 gtgatgcac agtccttctg aactcaacaa ccaatcaagc tgaaaagaat gtcctccaa 360
 atctcacagt aagaggcttt gacttcattg acagaataaa gagccttggt gaggcagaat 420
 gccctgctgt ggtctcttgt gctgatatcc tcactttgtc tgccagagac actattgtag 480
 ccacaggtgg accatcttgg aaagttccaa cagggtccaa agatgggggtc atctcta 537

<210> 7148
 <211> 412
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083f03d1

<400> 7148

tgectgacct tgccggccaa tttgccgtgc tacacgtgag cacgtccgcc gtgcttgggg 60
 gggggggggg gggggggggg gggggccaag gccggccaaa aaaaaaagga gtagctgtag 120
 gctcctagga attcaccata aatacgggtcc tagtatgcga atgtaaagga ggcagcatta 180
 acggatacat agcagtacag ctacgcggcc taaagccgcc ttagccacca aacctcgcct 240
 caaggggggca aaaaagctta ttcaagactc cgcctcgcac cccggctaaa gccacctcgt 300
 agcctccgta gccgcctagc ctccaaaaga ctcccgga cccgattggg ggtctccgta 360
 gccacctggc cactatgttg attataagcc ataccataga atctacttta tg 412

<210> 7149
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083f04a1

<400> 7149

cacagcgact agtatcgatc tatggctagc caacgtaccc aagtacctgt acactcaggg 60
 ctacgcgtgg ggtcagaccc agagcgtgaa aagtacactg tggtttcgga ggctaagatc 120
 gtagagggaa tccgaggcag atcttcgagt ggggttcgca cgtatggggg cttaaagacg 180
 tcagctagcc caaaaagtga gtgctggctg ctctaggcat gaaatcgggc ctgagatgcg 240
 cctggcaa at ttggagccca aggcactctg cataaccttg a 281

<210> 7150
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083f04d1

<400> 7150

cagaccttgg ccaagggatt tgccgtgcta catgtgtgca cgtccgcctt cttggggggg 60

ggggggggag ctaccccaag gagatgcgta tgcccgcacga aaagcattac gtatagacag 120
 aggactaagc tgatggacaa tatctgtacg gtgttaaaac aaacaagcaa acagcagaga 180
 ataggaccag ctagttcaat ggggtatttgt atgttattaa aactgaatgc aaaaatgccg 240
 acgtaaacac tctatagacg cttattaggg gcctcccaga gagaataggg tcttggttgt 300
 gaaaagatac gtgataaagg ttaacgtggc tattgggtcca aatggcgggg tagtgagcgt 360
 agtgaaagta attgcctgcc aaggcgccac tagccgatta cacgcccccc aaacggttgt 420
 acataaacag caacacgaaa cttgaagcga ggggtgggtta ataattgcac tgacgagcgg 480
 agcagcgcca gtagccgcga atccgcgtat gcggttg 517

<210> 7151
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083f05d1
 <400> 7151

gctgcagcca aagacacctc ccccatagtg cgcgctgca cctcctccgt gcttgggggg 60
 gggggggggg ggggtagggg ggaccacccg gcaggatgac gggagaacaa acccccaagt 120
 gggacaaata aatattcaca gatttttagag cctatcaaaa gctcccctaa aaaccggga 180
 acagaaaaga ttataggaag ccggctaaac ccggaagttt cccccaatg ctaggcgatg 240
 acctgtgggg agttgtatcc caaataagac ccgaccgtag attccgttcg taaaccccag 300
 attggttgcg gggagtttcc cctgggtttt ttgaaatgcc gtttcaatgt accctggatc 360
 cgttttgctg ggttaacgga gagtggttgg aggcccgttt tgaaatgcaa ggaattcctt 420
 tggcgggggt aattcatgcc tgcccaaat ttgccgcggt tttaatgg 468

<210> 7152
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083f06d1
 <400> 7152

agcttgccga ggaatggacc tttgcctcgt tgcattgtg cacgtcctcc gtctttgggg 60

gggggggggg gggggggggg gggggggggg ggggtggaggg gggggggggg cgagccacaa 120
 tagcgcccc aaaatatatc cacagacgtc acgataaatt tttaactccc cattaaaccc 180
 gggaatagta aatatattgg taagctctct aagccccgaa aaatccccca ggtgtaaagc 240
 tggtaaattht gtttggtttg ttaccaatt aagaccctgg gcaaaattcc ggggatagat 300
 ggccaattht taggccgaag tctccccaca gctttaataa atgtcccttc aaggttccca 360
 tgatcggttc ttggagccta actgaggcct tgggtgctca cgcctttaat aggaccaatt 420
 gcccttgccc aggctaattgc tgccaagccc aaaatatgcc ccggt 465

<210> 7153
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083f07d1
 <400> 7153

cagctgacgg ccaatttggc gtgctacatg ttagcacta ccaccttctt gggggggggg 60
 gggggggagg tggggggggg gggggagaga gcaagaagat cggaggacta caatcccatt 120
 accggaataa accaacaatgc atcccgacaa agtcaaccca caatacgaat taccgacata 180
 gtgaacaaaa tgctaacggc tataacctga gaaagttcga ttagctgcac gcagatatag 240
 ccaaagcccc ggtataccat gtacaaatca ata 273

<210> 7154
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083f08a1
 <400> 7154

cgttagtgtt actagtgtcg agtatcgatg tatggttaag naactgtacc caggtagctg 60
 tacaccaag acggccgca agtatgctgg gtaatgggtt agctctgcgg tgaccagcca 120
 agctggctag gctgggacgt gcgccgaatg cgcggcgcgc caaccgctg ttaataatgt 180
 tgggcagaat gaggctgcgc ataaactgac gactgcaacg gtggcacacc aataaaggat 240

tgccgctaag aggtattgtg ggtgcgccac cgctgcatag gccgtaccta agactaaaac 300
 atattttctag gtttttgcgg gtagggatgc caacggtaaa ccggcctggc agccgttact 360
 aaatacggaa gcacacaggg cctaaagctg gctggcacgg aacgccgaat aagctaagaa 420
 gacgtagcca gcagctacag agtaaaggcc tgcgatcagt gaggggcggg ctactgcgcc 480
 cgatgctgcg tatatcgga taatgcttcg acatgcgggt gctagcaaac gagggatcta 540
 cagc 544

<210> 7155
 <211> 511
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083f08d1

<400> 7155

ggagttagcc gcttggtttt tttgtgcact atgccagatc aaatggcaga gtcaggttgc 60
 tactttcccc cagttatgac ggtgacactc cttcttattc tccgccactg ttactggggc 120
 ggtttgggac gcacccggaa ggctctctgg cctcgaagta gccgtagact gcgggttgcg 180
 cgcaaaggcg gagttctgta taaggttata taatagatca cttccaacta gaaacgcgaa 240
 acttgccccg cttgaagcac gcactgaatg tataggaagg ctgggctctg tatgctttct 300
 gggttacgtc ccaaattgcg tcgcttactg ctaggaagca agtccttaat ctctccccac 360
 acctccgggc tcgaggeect ctgtggttct ggttgtctgt atgcatgtct gctctgtccg 420
 tcggtcctgc tctcactcc gagtactgta tgtaaacctc cgaagatccg gagttataca 480
 agtaccacag aatctagcag acaatagcgc a 511

<210> 7156
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220083f09a1

<400> 7156

agacaggacg gtgtgatctt cgtagcaatg tccagggtccg tcaactggcag tgccagggag 60
 gcccggcagg ggggttgcgg atacgcaaca gcgaaataac cgaccaacaa ggtaacgaag 120

gctgggttac gtagtgcagc ccaactagaa gtatagcgta acattgcgat tgtgagtgtt 180
 gcgaaagaca actttgcgga ggcagaggca ggtagtatta acggttgtag acaagcgagt 240
 aataacattg ccggatggta aactacacaa gctgcactac catatgcctc aggtaacaac 300
 gcggcggcgt acgaaccagc ccccgcacag tacatggccc caaggggtggg ctgaagctgc 360
 agcttaatga gtgaccacaca cagaaaacgc caccaaatga ttagtttaaat aaggtgcata 420
 ttaatagacg gcagcggcag cttagccaga gcgtacaaac gagctannca ctgagctagt 480
 cggttaaggg ccatagcacg ccgctaaacg gtncgacaaa acaaaggttt tgagagcggg 540
 gcttacttgg gcgtggaagt aata 564

<210> 7157
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083f09d1
 <400> 7157

aggatgagggc aatggccgta ctacatgtta gcagtaccac cttcttgggc gggggggggg 60
 ggggggaaacg gggggggcgg taaccccgct gacaatagaa gaagtaatcc gccgatagcc 120
 gcaaacgact aggaacgtcc aaatacgcgc agtagcgtag acagtatgga gagcgtagcg 180
 cttgattata ctatagtcgt gattaggaat gtgcacatta acgcagagaa gcataagcta 240
 tcttgagccg gaagattagc gcgccaatag ctgcattcaa caccacagca attgactcga 300
 ttacggctgg ctaggctagt taggccgaca gcgcgatgat acagaaacat aggcaccgga 360
 gggatgtcca tttcagcatt aaccggcagg agcttaatct acacaggcta cattgcggca 420
 acaaccatat acgtctaggc acagacatcg ctatgaccga cctaccacac ctaaacgatc 480

<210> 7158
 <211> 582
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083f10a1
 <400> 7158

gatcacagga tagttcgatc tatggctagc aatgtaccaa ggtcctgtca ctctccatta 60
 acggcgccgc tggttgtgtg tgttcccgac gccaaacgaa atctctagta gcccggttg 120
 gcgccagtct cagtgtatgc taggcttggg gctgatgccg tcggctagca gccactcta 180
 caatgggcga gcgcaagcct agttaccatg gcgtgggttat cttctgtagt cacctgaact 240
 gcagcatcac ccccggtatt aatttagtct gaatacccaa acttagtcgt atgggcaaaa 300
 gcacagatag ccatgcgtgg catctctata cgtgcctccc taagattaca tagggcctgc 360
 ttaccgcaag ctgccccgag agagaactag tagatcctag cgctatgtac ttgcgtctgt 420
 caggagactg tagagagcct gcccgtagcg ctagtgctgc cgcacatatg ctgcgcagat 480
 gtaggctagt cgcatagggc ttataggaaa ctagtcattg atgctgcaa gattggctag 540
 tagcgggtgnt agcctgcata ctaggactct tttagccagc ct 582

<210> 7159
 <211> 426
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083f10d1

<400> 7159

catccttaat caatctgttt ctagagatca ctttgaacac aatggttaat agtcactctt 60
 tggcaccaca tgattgacta atgggggcac cctcacaccc gaaagagcat cagggatcgg 120
 ctaggatgaa tgagactgat atctacactc atgaattcct gaactagcta ttattttaac 180
 caacgagcat atgctaccct tgacagcaat ttacatactc aatggcatcc attctaggag 240
 gatgtgcccc aatatcttca tcccatagcg atgaactgat cccatagtct tgatcctgga 300
 tccgactgtg atgtattagg tgctactgct tgagacttta gcgctatttg gacctggctt 360
 gaccatgagc cgagggataa aggctgcaat ggtacattac ataaccgggtt ctaccacctg 420
 atccaa 426

<210> 7160
 <211> 369
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083f11a1

<400> 7160

atacaggacg cttgatctac gctcaacgtc cagggtccgtc accgtagggg gaaggggcca 60
 ctgataacgc caatacaacc gactgggtacc tgtactaacc tgagagcata accaaagcgt 120
 gatgctgtct gaagggttaac gctgacataa cttgcattgc ctgctactga gcttgttggc 180
 agtagttaga agtatagact ggtccaaggg gtgtagtcca gggtagtca cctgaatctt 240
 agaaagcatc acagccatcc tcaaataact ccagtggtaa catctactgc ccagttgccc 300
 agccaaaggc tccgtctggg gcactacagc ctccacaaac acgatgtagt gcgaagccag 360
 ccaagtggc 369

<210> 7161

<211> 305

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083f11d1

<400> 7161

atcaccccttc tcttttgttt tcttttatat agaaaccctc tatgacatgg atgttttctt 60
 ttctgttagc tacaagtggg ggctacatct gctgcctgtg ttccattcac tattcgggca 120
 gcacgttctc ttagtcgcac tgctgctag gtcacgcttc tggatgccgg actcaaccgt 180
 atcctaggac gatacgacac tgggtccgatg cagcttggga attcacatga ttagacatta 240
 cttgaactgg cagtcacagc ggctgctctt ttctatacca gctgtgggtt aacctggcga 300
 gcttg 305

<210> 7162

<211> 568

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220083f12a1

<400> 7162

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 cactagactg tagtggcact acggctgaaa gggatgccag cggagtaggc agacgctgcc 120
 aactaacgtg acggtagcgt agaaagtgtg cagagtgatg cacctacgac gcccggtata 180

catcttttgg cgcttcataa accctatggt tcagcatcct ttgatgcccc aaaaccttat 180
 gggttcagcat cttttatcaa gttcaaaacc ttctcatgct gctagctttg agcacagtgc 240
 cccttcttat tatgacaaca cggaccctgt tggcacagct cctcctgccc caagtctctc 300
 atatgacaat caggtacaac cccacaaagt ccaagtagt tctgatagaa atctgagtca 360
 tgttttttta ttttttaatc ggtaaattgt tagtggtaca acgttctagt tttttgtag 420
 ctacaggaat cgaaccctg accttatcta ccct 454

<210> 7165
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083g01d1
 <400> 7165

tgctagactt gcgacaattt gcgtagactac atgtgagcac gtcctccttc ttgggggggg 60
 gggggggggg gggggggggg ggggggggaga gagaaaggga ggtcggagaa agataatgtc 120
 aaaaccggaa taaaccacaca ggcataccga ccaactcgac ccataatagc atttactccc 180
 ttagtgaacc aaacggtaac ggcttagcgc tgggaaagtt cgacttgatg cccgcaaata 240
 aagccatcac ctgtgaatcc cattcataaa tcaataaagg atccgtgagc aataaccccc 300
 aaattggaca gcatagcggt cctagatctg caataaatcg t 341

<210> 7166
 <211> 603
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083g02a1
 <400> 7166

gaccgcgtcg gtgacgcaat accgcgtcac ccacaataac ggtgacgtac aattgcgtaa 60
 ctggcggtga cgttacagtc cccactcttc ccccttattt atattttcac ctctatcctc 120
 cactaatcct ctctccccc acacacgtct ttctctctcc accatgcacc aagccattcc 180
 ctaccgaacc tccatcctga ccggaacatg tgacatggca cacgccggag gaatcaaaga 240
 attcaacctc gccaatccat ccaacgttgc cgcaatgggt tcggagagcg cagtggtaat 300

cattgggaaa cgggggtgct gcatgtgcca cgtggtcaaa aggttggtgc aaggtctggg 360
 agtgaaccct cccgtgtacg aggtcgacga ggaccacgaa gccgccgttg ctgccacct 420
 gttcccgag ggcgccgaaa cgggtgcagtt tccggcggtg ttcctcgccg gcaagttgtc 480
 tcgagggttg gaaagagtta tggcaactca tatctcacgt gagttgattc ccatcttgaa 540
 ggatgcctgt gctttgtggc tctgactctc acttttagcta cctacatctg ctctttcttt 600
 ctt 603

<210> 7167
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083g02d1
 <400> 7167

cgactcgaca tgccaagcaa gtttgccgtg ctacatgtgt gcacgtccgc cttctttggg 60
 gggggggggg gggggggggg gggggggggg ggggggggaa ggggaggggg gagcaagaca 120
 atgcgaggta ccgattaaac gaacaggcgt aacgaaaaag tagacgcaca aaacgattta 180
 agcccttagt gagtcaagat tgtagcgggt aaacgcagcc atcgttagat gtggtgcccc 240
 gtagtgcagc taaaagccat gaaccccagt cgataatcgg tacaggataa tcgcacataa 300
 agatcctaaa tgggcacgta gcattcccag atatgtaata aatgtcatta ccgaagtacc 360
 atcaaccatc caaggcaatt g 381

<210> 7168
 <211> 544
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083g03a1
 <400> 7168

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 attgatatga agtggttgac tttctggaac tgcatactta tcctcgtggt gtcttttgct 120
 ttctttctct tctattgtca cacatacaca tctactcctt ccctcatggc tgagcaatct 180

tgcgccaggtg gccgatgccc ataaagctac tagagcgaca atcactatag ctgagggttaa 360
 aagcctagcc ctggagatta aaagtaccac agagccggag aaatagccac gccccgaagg 420
 gttcagtagc atagtgggtg tgaatacaag agcagtgact gtgccagctg tacactggaa 480
 atttgccaca atacaggggg cacaaaggca ggggtgcctag cgagggcccc cacgggcgac 540
 cacact 546

<210> 7171
 <211> 496
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g04d1

<400> 7171

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 aatgacgggt aagggaacga gcgatagcaa caaacgccca ttaggacaac aaataagtat 180
 acgttaagcg agagaattga tattagggtg ctgtgcatta tgagaagggc catacagggt 240
 gcaggggagg gaagaggtaa taacctatgg caatattatg cagggtagac gcattaattc 300
 gccaaagtca tacaacacaa tggcttaata ggcgttctga tgcattacac ggttttaaga 360
 cttcggtaat gtcctagca ataggattgc aacgcctaag aaccctgtga agcgggtgtgg 420
 cgcaagtaaa caagtttagt gtggccaaca gcgcaaacgg cccaactaga tactgctgat 480
 ccgcctgtag ggcagt 496

<210> 7172
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083g05a1

<400> 7172

acatgacagc tcgactatcg tagcaatgta ccaagtccgt cacagacgta atcttctatg 60
 cggtgtttgt taaaacaagg aaccgataac aaatagggtta ggggatgttt agtgggtggg 120

ttgactagga atgataacaa tagtgatggg cctagtggta cagatagcgc aaagggccta 180
 ccgaagccag agcggcggca gaggagcgcg gtgtggccgg ctaggcttaa attgcctgcg 240
 acgacacacg tctaccctgt tgcggtgcc a tgatgggcac gaggcgctga gcaactgctac 300
 actggatacg cttgtaggcc aacaagggcc accccggccg cagccaataa tgggcaatat 360
 aaaactgggg tacctactta gacagtagtg cacgtacgag ctagtaacgc cgccggtgca 420
 atgngagcgg tttttaccaa aagccggaat gcctacgggt aagtgtatta cttaggggat 480
 gggaggttga tataaccagc tgcgcaggtg gc 512

<210> 7173
 <211> 532
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083g05d1
 <400> 7173

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 gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggggggga 120
 acaatttaag ggggggaaag ataagggggc aac:caggata ggctgggcca ggcggttttg 180
 aaatgcccct aggttgggga taggtagaaa ggttgggtgcg aacgctatcg ggcaattggc 240
 agagtgttca gccctaaatg ggtggggccc aac:cgatagc ttttaagtgg gggggtgttt 300
 gccgtgccta atacattata acccctacca cgtatagtat ggcaaagggt actaagggtta 360
 ccctaacgtt agccaatggg tggacttggt ggccttacgg caagcccgat aggccagagc 420
 tacaggttac gcaaaccctg attacagggg tttggtaatt ggctgcttag acccataggt 480
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<210> 7174
 <211> 612
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220083g06a1
 <400> 7174

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aagagtagca agttaaggag ggtgctgctg gtgcgagggc tgctgcccgg ccttcgaccc 120
 tggctggtga ggccattgcc ccggccgtaa cctatgctgc taccctaact gcgacaaccc 180
 aggctatcat aattccacct acacccaaaa agatcaccca tgggaggctg gacgggcctg 240
 gggagccaac tgggaataag ggagccatgc cggcgactag gactatgggg agggctgaag 300
 ttggggcggg aagttgaaaa aaagacaaag atagagttgg ggggttcgcc atggctggga 360
 ttccgtggct ggggtcaag gtgagggaga ggaagagggt atgttgagaa ggtgggagtt 420
 cggtccataa caatataccc caaccatgaa ggcaaaccgc aacaaggat agatgcaggt 480
 ctttgtgggt ggtgtggggg gacgttaagc atttttttgg ggggggaaca gaaggnggtg 540
 tacgcgaaa atggcacaca ggggctaagc cagagaanca tgcccagtg aaggtcagaa 600
 cgagtaggtg gg 612

<210> 7175
 <211> 584
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083g06d1
 <400> 7175

agatgacggg cgagaggggt ttgccgtggt acatgtgtgc agtgccaccg tgcttggggg 60
 gggggggggg ggggtgagg ggtaggtcaa ggtaggggag ggagagagga agaggagagg 120
 taaagcaaag aaaaacagag gaaaacagat gaaggagaac aaggggcaaac gcaaaggaga 180
 aacggaggaa agcaggaagt aagggggggg gattgcggtt gcgacgaaaa acacggttag 240
 tgcggtggca agactggttg gtaaaacat ggtgctggtt ttacgcaagc gtggccgaca 300
 acagagcagt gtgggcaagg caccgggagg tcgcggaac gaactatcga atgtaatagc 360
 aaagggttg attgcgttaa gggatgaagca agtaccagaa ttaggtcgtt tacgagaaag 420
 acgaagaagt gcgttggtta tccgaacacc atggcaagcc caggcgggaa ctaatgtctc 480
 taagtcggca ttgtggctga aggcaggggc acgactggga gtcccagtac aactcaaggc 540
 cctaaaactg gtgaagggtc tcagggcgct gaagggttaag ggga 584

<210> 7176
 <211> 614

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g07a1

<400> 7176

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 ccccggcgtg ggtgcaataa ttttagtaga gtagtagaac accccgagta acagtaagtt 180
 ggcaggacta acagtagaaa ggggtaggta gagatataag ggatagagtc gaataacagt 240
 atagggcggg gcggggcacg gcgagcacgg cggcggcacg gcggcagtggt agaagaataa 300
 tagccacccg cacaataaca acgatagtat agtgcaccac tgcaaccact ataagaactt 360
 accccagggc gccagggtaa gttaacccaa ccgggataag cgggtacagg ccctaaacca 420
 ttatttgcca gcacaccggt ttggcggaac ttggctacct taccagcgca tgcagctagg 480
 tcgactagat tagttacctg tactagccaa cgagtggcag tttggtggta taccgatta 540
 ttgaacacag ggtaaccgtg tacaccgctg aaaacaggat acaaactggc ccgtgcacgg 600
 gcgtaaaagc ccgt 614

<210> 7177
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g07d1

<400> 7177

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 gggggggggg ggggggatgg gtggagagag gaaggggaagg aaggcaggac aataaaccca 120
 aaccctgaat caactaacac gcattaggat taaggcgagc accccaacca acatgacaca 180
 tgccctgtaa gaagctagga ggctaaaagc ggcgccactt cgggttagtg cgctcagttt 240
 gatacatcgg ccagtagacc attgcaaaca atcattaatg agtgggggca 290

<210> 7178
 <211> 552
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g08a1

<400> 7178

tcacagtcac tagcgactag tgttgatctg tgggtagcaa ctgtccaggt cctgtcacga 60
 catatcaaca atgtataaac acccacaggc aaccacccag agtacagttt gagggcgagg 120
 gccccggcgt ggggtgcaata attttagtag agagtaggaa caccgaggt aacagtaagt 180
 tggcaggact aacagtagaa aggggtaggt agagatataa gggatagagt cgaataacag 240
 tatagggcgg ggcggggcac ggcggggcgc gcagcggcgc ggcggcagtg tagaagaata 300
 atagccaccc gcacaataac aacgatagta tagtgcacca ctgcaaccac tataagaact 360
 taccgaggg cgccagggtta agttaacca accgggataa gcgggtacag gccctaaacc 420
 attatttgcc agcacaccgg tttggcggca attggctacc ttaccagcgc atgcagctag 480
 gtcgactaga ttagttacct gtactagcca acgagtggca gtttggtggt ataccgatt 540
 attgaacaca gg 552

<210> 7179

<211> 542

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083g08d1

<400> 7179

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 gggggggggg gggggggggg gggggggggg ggggggggg gggggggggg gggggggggg 120
 ggaataacaa ttaaaggggg aaagaacaag gaagtgcctt ggggaaaaaa ctgggccccg 180
 cagaataacg gtttaacccg aaaaaaatc ccggtatggc caaggtaagg gtaactggca 240
 aaaaaattgc ccataaaggg taccttgata actggaaatt gaaaatgtag ggaataacaa 300
 ggtttatgta aatcagacta ggcccgctat ggctaagttg gccttataca gtactatatg 360
 gggggttaag cccattaccc gggctaaaat tgggtagggt tttgggcca ggcataagga 420
 ttttctagg ggtggccaaa gatagcggca ttttcgttgg gtccccttag cccggctctg 480
 cccaataag cattccgccc aaaattggcg gttgaaaagt cccgggtttt gggggtatcc 540
 cc 542

<210> 7180
 <211> 573
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083g09a1

<400> 7180

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 caaacctga ggggacatcg aaaggtatth aggggttgta agggatctga ccgatgacgg 120
 cataagtagg cagctattat taaagcacac gcacatgctg gtgcggggag agtattttaag 180
 ctaatatgtg tggatgaagg ttagtgatac ggacttttaa agtgccccgg acccggttg 240
 tgctcgtcag cctggtcaag gtcagtcate ctcatcttcg gatccccgtc ccatgcgcta 300
 gaaatcatcg cggaacccat catcactgct cggtaggtg cccctcacgc cacactcaca 360
 accataacca aatcggtccc ggccgtgcta actcagcctg gtccggctac actatccaaa 420
 ccaacaaatg tcttctatcg ctcccgthtt atagctgttc aaaaagcctt cagaccggta 480
 tatctggacg tcaatgccat tgtctgtacg ttcgtgtgtc ggttggtgag tttcctcgta 540
 ttcaggttca gtgtcttcgt agtcttatgc ttg 573

<210> 7181
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g09d1

<400> 7181

catcaaatat acaaaggcac gccttatcaa taaagtttat ataggaacat ttaactatga 60
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 ataaaaatta atcttgacg attcaggaaa atggaaacca gcctcatcta ggccagcctt 180
 tgtaatatgc gggcatgacc tcacatccaa gtattgcaga gacgtgcatt taccacaaat 240
 gatgcctata cctgccactg tgatctttgg acaattacta atcttcaaaa tcttcaaact 300
 caatccaggc tcttcattgc ttaatagctg aaaagcagca tcagtcaact cttcacagca 360

accaatgtcc agtgcctcaa ggtttctgca ttgacttaaa acacagctca ctgaagaatc 420
 agaaatgttt aaacaccaat ccacctc 448

<210> 7182
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083g10a1
 <400> 7182

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 atataaatgg ctgagactac gaactgagaa tgtagggcac ctgtgcgcac aaggcacaaa 120
 gcctgaaaca gcggcaccgg taacactaac caccacacga tgtgcttaaa catgattagc 180
 atttggtgtt actattgggc ggatcatttac accactgtat atacgccgtt ggtgagacac 240
 tttgtagtct gcacggtaga ctaatttggg gtggttgga gcgtatgcgc tgtattagga 300
 ggcctgataa aacctacatg cagataatcc gaccgcctat tcatgcgcag ccccgcccta 360
 ggggccctag tctggccctt gggccgccta gcagtggtag ttggcgggat gctattcttc 420
 cgaggggtacc accatataga aatttcctcc gcataaggcc cggcgggtga ccatctaacc 480
 gcgtcggcag aaccctcggc agcgatagcc gcctatacgc gcttccgctg agtgcgccga 540
 tgccag 546

<210> 7183
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083g10d1
 <400> 7183

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 aagacagaaa aggaacactc aaggaatata tacatggaaa ttaaaaaaaaaa gaaaaagaaa 120
 aagaaaagac acaaaaggga taaaaaatc acccttggac acaagcatgc ttatctacaa 180
 ttcgatgcat gccccatgg ttttggcctt ctcttccaaa ccccccaac aactgtagct 240
 gatgagagga aaagacgaaa aagcctaaat tagggaactg catagacaga tcactagcac 300

tcctcaacat agaaattatt attcttcggg ggaaacacca tgcatagcc ttgttgcaa 360
 attaataag gtagctagct taattgatta attaattaag cggtgctcct gaaggatcca 420
 agagccttga tagctgtgc tctaaggatg tattggtggt aaaatgcagc cactgctgct 480
 ccaacaattg gtccaacca gaatatccac tgatca 516

<210> 7184
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083g11a1
 <400> 7184

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 caactgattt gtggatgtgg taacacgcgc gacgccaaga atgaacgggg ataactcgct 120
 tgctaatacg cctgggaata gacgcgccgc gcgaaggcg ggggccgcgc tagatgcgcc 180
 gggcgacggg gcctgaagca aagaagtata gccggggggg ggaaaaaaaa aaaaaaaaaa 240
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa cctccttctt catgacgcac 300
 tgctgctcatt tccaaggaa ggttccattc cgattgctac ctcgattact gggtttgaga 360
 cgacagtcga ggaaactggc ctgaagtag ccgtagactg cgggttgccg gcaaaggcgg 420
 agttcgggtat aaggttatat aatagatcac ttccaactag aaacgcgaaa cttgccccgc 480
 ttgaagcacg cactgaatgt ataggaaggc tcggctctgt atgctttctg ggttacgtcc 540
 caaattgcgt cgcttactgc taggaagcaa gt. 572

<210> 7185
 <211> 162
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220083g11d1
 <400> 7185

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 aaacaaatta caaacccac tttgttaaag cccagttgc aggcacactt gtaaaactta 120
 gttattccac taccactct tgaaaagtaa gggggtagct tt 162

<210> 7186
 <211> 558
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g12a1

<400> 7186

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atagtgatag ttcgactaga tcttcgctgc aatgtccagg tcctgtccgg cgcgcgccgg 60
gggtggcgag aaacggggcg gggaggcccg cagtgttggt ctgcgttcag atagacagca 120
taaggggaag ggcaggccgc ggggcaaggc gggcagttat atttatgggg gtagggttcg 180
gcaggttaga ggggcaggcg gtagtcaagg gtaagagtgc gactgcccaa caccgccgaa 240
cagaccagtc cagagcaaga gcagccggcc caggggcaaag gcaaagccgt gaacgcgggg 300
tcaggagcga tatgtgccaa ggtagaagga tgctcttagg ggataggggt aggccggaat 360
aagtttgggg gggggggccc tgatgcgaga ggaataccac caaggcttaa ttaaaagatt 420
ttggggagct atcggcaggg cagtgtggaa aacagggagc agaacacaga aaggaatgag 480
aaaatcctca gaagagacgt gcggaggcga ggcgtgggcg gtgataaggg tggctacagc 540
gcggtagtgt atcgctaa 558

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<210> 7187
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083g12d1

<400> 7187

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caaccttatt ttttttttaa agggggaaac cttaaattggg ggaaaacaaa cccctaactt 60
tgaaaagacg agcccaaggg gaccctttaa aagcccacca aaattaagac ccggtcaaaa 120
aattcgcccc cccccacgc ggtgtcacia aaatgggagg cccctgacc caatatcaac 180
tttaaaaaac ccaaccaaag accccccccc ccccccttta aaagaaaacc ccccccggg 240
ggggggaaca acccccatct gatttcggga caaaaacccc tttaagagg gccccctct 300
aggcttcggg ggctccaaaa aagggtcttg cctcttgctc ccaaaggccc taaaaacatt 360
ggccccacca atacaaggat gcccc 385

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<210> 7188
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083h01a1

<400> 7188

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 ttgcaattct tgaaggaagc acgcagcccg gagtttggtt tctgaagag gtatgtgttg 120
 agtacaagtg tgaggtaaag tctcacatcg gataaaagtg gaaagggtga gcaccatata 180
 agtgaggaga agaccataa acctgagcct taagggtttg ggtagagtg tgggtgcagg 240
 tctcctcatg tggtgactcg tgggtccacag gtgtaccct cgaatctgcc caacaattgg 300
 tatcagagcc gatggttcaa gttggtgacc ggctcagacg agtatgcaaa gacttctcct 360
 tggggggaag gctagcgggc atggcaagaa ccgcaggtgg acatggctat actcgtggat 420
 gataaagact tccccttgag ggaaagacta cgatgtggaa gagactcact atataagcgt 480
 attcaattct caatattatt ctttatgcaa ttaaaag 517

<210> 7189
 <211> 323
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220083h01d1

<400> 7189

cgctagactt ggcaagcagg tttggcgtag tacatgtgtg cacgtccacc ttctttgggg 60
 gggggggggg gggggggggg gggggggggg gagtgagaag ggaggacgga gaaagataat 120
 gaacgaaacc ggaataaacc cacagacgca ctcaccaact gaaccataa tacgatttaa 180
 acccttggtg aatcaaaaag taaaggctct tcgcggagaa agctcgagat gctgccccaa 240
 gataaagcta ggcctaaga tcaccattct agaatcaata cagtatcgtg atcaagaaca 300
 cccaaattaa gcagcgtagt gtt 323

<210> 7190
 <211> 417
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083h02a1

<400> 7190

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 cctttccaat caaaattctt ctgccttccc ctaccaattc tttctctcaa ccgatttacc 120
 tgagtggagg gtttggccaa tgacgagtg ttttggtgaa tcaacgagag cgtctgcacc 180
 gagcccatca tgctcgggga acagttcaaa cgatgccggt gattttgaat gcaacatatg 240
 cttcgatttg gcgcaagacc ctgtgatcac actctgtggt cacctattct gttggccatg 300
 cctttatagg tggctccacc atcactccca ttctcaggaa tgccctgttt gcaaggccct 360
 tgtgcaggat gagaaattgg ctctcttcta tggaaggggc aaaacacaga ctgatcc 417

<210> 7191

<211> 359

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083h02d1

<400> 7191

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 gggggggggg gggggggggg gggggggggg gagagagaag gaggggggag aaagacaata 120
 tcataaccag aataaaacaa cagacataac gacaaactag acgctacaaa cgatttactg 180
 cattagtaaa taaaaatgta aagggttaat gctgggaaag ttcgacttga tgcccggaaa 240
 taaagccata tgctgtgtat cccatcttac aatcaataaa ggattgtgat cataaacccc 300
 tcaaaatgta cagcgtagca ttccgagaag tgcaataaat cgccttctaa aacacccat 359

<210> 7192

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220083h03a1

<400> 7192

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tttttttttt tttttttttg ggaattggcc ccttctggat aaagttcggc taatctgaat 120
tatgaatccc tgcttataat attaaatacc tttaccgg 159

<210> 7193
<211> 347
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083h03d1

<400> 7193

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gggggggggg ggaggggggg gggggggggg gagggagaag gaagacgaac aaagccaata 120
acaaaaccag aataaaccaa caggcatacc cacaaaaaaa acccacaaaa caatttataa 180
ccataataaa ccaaaaggta acccctaaac gctgggaaag ttagacctgg tgcccgcaaa 240
taaagccata tcctgtgttt cccatgcaac aatctataaa ggatcgtgat cataaacccc 300
caaattgaac acgtagcatt cctagatgtg taataaatcg tccccct 347

<210> 7194
<211> 527
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220083h04a1

<400> 7194

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tcaggcaatc cgatcagccc aacacaaaaa ggtaacacta actttattcc gtcttcttac 120
gggtgtatct tccaacagag ctggctgcca attgtgaatt cgatgtcaat gggcacatac 180
atacaactgc actagcaaca ccacttgac caacgagtgc cccagcaagt gccacaaca 240
gtacaacacc aaatggtgaa caaaaaacca atataaccac ggaggcacag gcaaaagtgt 300
aatggccgaa acttaaacac tggcaaactg acacagcggc agcggccaaa aataatacaa 360
tgggtaacct cgcaaacaca ccacagacac aaatacacac tttagcactc tgagagcacc 420
tgctaact aacaaaaat acagtaacta aacaaccagg gacaatcggg actgtggaga 480
tcgtactaaa cccaacagct gctgaaaaac tcacaacaac acaaact 527

<210> 7195
 <211> 515
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083h04d1

<400> 7195

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tgcttgacct tgccagcaga ttgccgtgc tagcatgtgt gcacgtcctc cttcttgggg 60
gggggggggg gggggggggg gggggggggg gggggggggg gggaaactaa aaagggtagag 120
gggagggata agcaaaacaa taagttagaa aaaagggtaga gcccctgaga gagctgatgc 180
tgtgtgatag ttgataaaca gcgcacagga aatgaaaagg gttaccgtaa acaagcaaatt 240
agtgtaggtg acttttaggg aaatagggta gagaagtgca agcgtaaaac gttaaagctaa 300
ttggcggatt atggttaagt tgggcggaca aaagcgggtgc ggggtgcgggt gccgggtgggt 360
gcgggtacgg ttagttgttt taaagctaca gctaattagt ccgtgtgggtg gggctgctaa 420
agtgaccaga tcagtggtaa tgcgagtgtg tatccggaat tcgaaaatac gtataccatc 480
acgtgcttta aggtcagcgc tgtgagttag gctgg 515

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<210> 7196
 <211> 595
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083h05a1

<400> 7196

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tggttgcca caacacgggg cttgggtaaa taataaacca ccatatacaa actactaagt 180
ggtagtaaga gatgtagtgg ccgtattgta ctgtatgttg gttggtagtg ggtgctactg 240
tggtgcttaa accgtttaaa acaaaactag taggacaacg ccgatataaa tagcccttag 300
ctgtttaatg caagaagtag cagcctaac taaacgtgaa aatattatat acgcacaggt 360
gcaattaaca taaacaaacc cagaacgata ggaatgcaac cagtgtaaac aatggccctt 420
aacagacgac gcgcacgcaa ggccatgtac ggatatgatt acttaacgtg ccgacttggg 480

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gagcattggg aaggtagggg ctatgcaagg ctgcatatag gtacagggct atccagatag 240
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ttggagttgg ctcaagtata gtaaataagg taagttagg gttgcaggga aattatgcta 360
ccctagttaa aagactagcg aggcataagc tatactcaca aatgttgagg cactcctgat 420
gattgtgcca acgcagcagc ttgaagtgtg taactggatc gcgttaatcg ttgccgtgag 480
gctgagcct 489

<210> 7201
<211> 474
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083h08a1
<400> 7201

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gggtaaccct gcaattgacc tataactaac aaaggcgac ctgctgtaaa caccaacccc 180
aacgccgct tagcatgccc cagccgcgga agcagctgtt gcttggaac tggctacata 240
ggccgaggct aagccctagg ctaccatac accgcctaaa ccaactggta cagagccgag 300
gcctacagca gaaggggacg gtaaggcgcc tctgctggcc gcacccgaca gtgagtata 360
agaagagcaa cctggggagt accgagagca gtgtgggtta gaggcctcac cgtctggtga 420
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<210> 7202
<211> 477
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083h08d1
<400> 7202

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cgcggaagca ggatgagagt gatggggaaa cgtgaaaatc cgatgcgtgg tatgcgcgtt 180

aggggagtat ggccgtgtcg ctgacccctt ggcttgcctt acaagggtgac tggatcgctt 240
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 cggggatagc cgatgcaagc ccgatatttg tatcgatatct ggtggaatgc gtgattaagc 360
 tataatctgg gtgcaacgtg ctggagcggc ttgcatagcg ataggattca gtcttagggg 420
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<210> 7203
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083h09a1

<400> 7203

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 caaagcctga aacagcggca ccggtaacac taaccaccac acgatgtgct taaacatgat 180
 tagcatttgt tgttactatt gggcggtcat ttacaccact gtatatacgc cgttggtgag 240
 acactttgta gtctgcacgg tagactaatt tgggtgtggtt gggagcgtat gcgctgtatt 300
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 cctagggggc ctagtctggc ctttg 385

<210> 7204
 <211> 516
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083h09d1

<400> 7204

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 aagacagaaa aggaacactc aaggaatata tacatggaaa ttaaaaaaaa gaaaaagaaa 120
 aagataagac acaaaaggga tacaaaatac acccttggac acaagcatgc ttatctacaa 180
 tttgatgcat gcccccatgg ttttggcctt ctcttccaaa ccccccaac aactgtagct 240
 gatgagagga aaagacgaaa aagcctaaat tagggaactg catagacaga tcactagcac 300

tcctcaacat agaaattatt attcttcggg ggaaacacca tgcatagcc ttgttgga 360
 attaataag gtagctagct taattgatta attaattaag cgttgctcct gaaggatcca 420
 agagccttga tagctgctgc tctaaggatg tattgggtgg aaatgcagc cactgctgct 480
 ccaacaattg gtccaacca gaatatccac tgatca 516

<210> 7205
 <211> 588
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083h10a1

<400> 7205
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 ctgaaacagc ggcaccggta acactaacca ccacacgatg tgcttaaaca tgattagcat 180
 ttgttggttac tattgggcgg tcatttacac cactgtatat acgccgttgg tgagacactt 240
 tgtagtctgc acggtagact aatttgggtg ggttggggagc gtatgcgctg tattaggagg 300
 cctgataaaa octacatgca gataatccga ccgcctatc atgcgcagcc ccggcctagg 360
 ggccctagtc tggcccttgg gccgcctagc agtggtagtt ggccgggatgc tattcttccg 420
 agggtagcac catatagaaa tttctccgc ataggtagc gcgggttgacc atctaaccgc 480
 gtcggcagaa ccctcggcag cgatagccgc ctatacgcgc ttccgctgag tgcgccgatg 540
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<210> 7206
 <211> 404
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083h10d1

<400> 7206
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 aagacagaaa aggaacactc aaggaatata tacatggaaa ttaaaaaaaaa gaaatagaca 120

gaggatagac acaaaaggga tacaaaatac acccttggac acaagcatgc ttatctacaa 180
 tttgatgcat gccccatgg ttttggcctt ctcttccaaa caccacaaac aactgtagct 240
 gatgagagga aaagacgaaa aagcctaaat tagggaactg catagacaga tcactagcac 300
 tcctcaacat agaaattatt attcttcggg ggaaacacca tgcatagccc ttgttgga 360
 attaataag gtagctagct taattgatta attaattaag cggt 404

<210> 7207
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083h11a1
 <400> 7207

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 taatcaatta ttcttctaca acttcttcta ctgccattcg gtctgtatca actgtcgtca 180
 agttccctct cctcctcctc ctctcctac tcgtcgtaac tcttgtgcta ctgggtggta 240
 agttctaaaa ttggttgtgt tccaaaaata ataaaagta aactgtaaat ttgtcaaagg 300
 aagtcaaaat gtaaattgtc aggttctcgt caaagtctgt caggtcttcc tcagttcagg 360
 attoccaatt caccagtcca gtcgcgggca tggatgact ggctcgccaa ggtcaacaat 420
 tgatcaacag gctgatctcc gctccagcag aggggtccca gggacccggg cccggcatca 480
 ctctcatagg gtcagccatc tcaagcgatt cgaccacggc agcactctcg gcggggccaca 540
 caagaataag aa 552

<210> 7208
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083h11d1
 <400> 7208

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 aacacctctt caacaaaacc acacctaaac ttgtgcacat cctatatatg caaaaataac 120

caccacaaaa acctacacac agttcctcac atgctttcaa tgtcattctc caatcaaaat 180
tgaagtttca ctctgacaac ctgcgttgat cttcaatgca aacctctatt acatactgga 240
accaattctg attagataac agaaccgaat acacacaaga ccgaagcttc acaacaataa 300
tccatgttga tcttcaatgc aaaccttcac cccacacgtg aaactccaat tctgattaga 360
taacaacacc aaaaacacac gaaattggag cttcactatg taatccatgt tgatcttcaa 420
tgcatagttg caaaccttca cccacacgt taaactccaa ttctgactgg acatcaacac 480
cagaacaaaa aggaatcgca tctaagttca 510

<210> 7209
<211> 587
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083h12a1
<400> 7209

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gccaaaggcg tgccgacctt atgttggcaa gagagcgacg gcgccggcta gagaaagctg 120
gcgggggttg gaggcgtgca ataggatgag gcctataata cgccctgcag gaataggggg 180
aggggagggg agggagggag ggggtggagcg gcggggggga tggttgggaa aggggggggag 240
ggacaggcgg cgggtgtttac ctagatgtgg ggaagaaacc taataccaac ctaacaagta 300
gggaataagg aatatgtatg gggggaatga atgatgaatg acaactaggg aaggaagacc 360
cgcgatggaa gcggttggaa gtaagatttg tcacatatgc aggaataaca tttgggagcc 420
agactgggag caagagacac aatagcacac aaacgcataa aatgaaaccc acacagaggg 480
cagtgcaaac tacgactgaa aatggcgagc caaggcaagc cagcagttca cagtggaaat 540
aagagagaga cggacactta gtgggggtgat cccgatacag tacacaa 587

<210> 7210
<211> 526
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220083h12d1
<400> 7210

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 tgttataaaa taatagatac atcaactggg tatacgttta cagcataaat tttaaatagt 120
 aaatggcctc ttaacagttt tcaataataa actgcatcac ttgacgacca tgtttcctcg 180
 gttcacgaga tgaccatttt aatgcattac tttcgatttc taccaccag ccaactggca 240
 ctccatagta taaataatga accatgttac agtcttatca agggaacttc caatatatga 300
 accaccaatg cagaagtacc caaggccact aactcccaat aacgaactga tcggcatgct 360
 gcaatgttac taaaaaaaca agcagttgaa cttgtttgat ccacgaatcc ctgcttcagt 420
 ggtcactcca ttttgaacat agtaaaacca ggggcaaaat gacagttatt tgctcatttt 480
 ttaagccttt catcaattta agacatctaa tcgcatcaat aatgat 526

<210> 7211
 <211> 529
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084a01a1
 <400> 7211

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 tttgttgggc aatttgaact ttctggcatt cctcctgccc ccaggggtgt tcctcagatt 120
 actgtgtgct ttgacattga tgccaatggg attttgaacg tctctgccga agataagacc 180
 actggccaga aaaataagat cactatcacc aatgacaagg gtagactgtc aaaggaagat 240
 atcgagaaga tggttcaaga ggctgagaag tacaaatctg aggatgaaga gcacaaaaag 300
 aaggttgagg ccaagaatgc tttggaaaac tatgcataca acatgaggaa cactgtgaag 360
 gatgacaaaa ttggtgagaa acttgatcct actgacaaga agaagattga ggacgcaatt 420
 gagcaagcta tccagtggct agacagcaac cagctcgag aagcagatga atttgaggac 480
 aaaatgaagg aatcggaag catctgcaat cctatcattt gccagatgt 529

<210> 7212
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084a01d1

<400> 7212

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 gggaaaacaa tgaggtttcc catctaataa aataaagcca atgaccttat gcggaaagca 120
 acggtcattt tacacgggca aaacaattag tatcccatcc aacaaaaatc ataaaaggta 180
 aaattcaata aaaaagcctc aaataagggt taaaccgata aaggggtgaa agcaactccc 240
 catttaggcc acttcccca tcttggggcc cggaccactt ccaccagaag gagcaggata 300
 atcatcctcg ggtggcccaa aaccaggacc acccatgtga ggaccaggac caccttg 357

<210> 7213

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220084a02a1

<400> 7213

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 tttgttgggc aatttgaact ttctggcatt cctcctgccc ccaggggtgt tcctcagatt 120
 actgtgtgct ttgacattga tgccaatggt attttgaacg tctctgccga agataagacc 180
 actggccaga aaaataagat cactatcacc aatgacaagg gtagactgtc aaaggaagat 240
 atcgagaaga tggttcaaga ggctgagaag tacaaatctg aggatgaaga gcacaaaaag 300
 aaggttgagg ccaagaatgc tttggaaaac tatgcataca acatgaggaa cactgtgaag 360
 gatgacaaaa ttggtgagaa acttgatcct actgacaaga agaagattga ggacgcaatt 420
 gagcaagcta tccagtggct agacagcaac cagctcgcag aagcagatga anttgaggac 480
 aaaatgaagg aattgcaaag catcttgcac cctatca 517

<210> 7214

<211> 356

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a02d1

<400> 7214

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ggggaaacaa tgggtaccct cacgtaatga aatgccgcaa ttggcttaat gcgcaaagcc 120
 acgttcattt ttcacgggca aaaccatttg tatcccatcc aacaaaaatc ttaaaaggta 180
 aaaccctatt aaaaagcttc acataagggt taaaccgaca aaggggtgaa aggaaccccc 240
 ccttgagtgc gcttccttaa tcttggggcc ctgaccagtt ccaccagaag gggcagcata 300
 attatgctgg ggtgccccaa gccagcacc acccctggca agaccgccc cacctt 356

<210> 7215
 <211> 559
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084a03a1

<400> 7215
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 aatgcccaga aaggctcttc tccttctctg ccataacct tggacttga gcatcatata 120
 acaaccccat ctttactttc ttccatcgaa gaagaagaag gacgcgcggt taataggaga 180
 caacttattc ttcacacgcc agtagctgca gcagctgcat ttgcagtccc aaatgcattg 240
 gcactcaatg atgtgtctga ggatgttcgt gtctacactg acgatgagaa caagttcaag 300
 attgagattc ccgaagagtg gcaagtggga acaggagacg gagaatctag tgggtttaa 360
 tccataactg ctttctacct aacacaggca tccaattcca atgtgagcgt tgtgatcaca 420
 gggctgggac cggatttcac caggatggaa tcctttggca aagttgacga gtttgctcag 480
 actctagtta gtgggcttga cagaagctgg cgaaaacccc ncgctgtggc tgctaaactc 540
 atagattgca catcatcta 559

<210> 7216
 <211> 498
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084a03d1

<400> 7216
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taatcaatta tgttcaattg tcaatTTTgg ccactaagtt ttttactttc attcaacaat 120
 ctcgaaggaa atgtcatggg ttttatcata ccagtccgat ctagaatgcc atatctagct 180
 taaagaacaa tgccaggaaa atccataatg aaatagaata gatgaagtgc tgtgataaaa 240
 attcttcttc gtcattgacca ttttcttcat atgaacctaa atgatgcaac taccttctga 300
 actttggaag catacttggtc tgagtcctct tccacatact gtctgtcac ggtatacagt 360
 ctgttatacc aaccatttga tgccatccca atagctgaat acaaatacct gcgactctca 420
 ccaggatttt gcagcaaata ctgatgtaa taaatcccat tagatgattc acaatctatg 480
 agtttagcag ccacaccc 498

<210> 7217
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084a04a1
 <400> 7217

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 gtgagggggg aggagggttag ggggtgcgctt aggattctcg cgacggctaa gggtccggcg 120
 aaggctactt agcgtgcacc accgtgttgc aggtgtcttc cctatgtcac gctggtgagg 180
 attgacttgc atgactttgg tcccttcaat atgtattccc agggcacccc tatctccaac 240
 tgtgcgcatg tcttttgtgc cgccgtctac ccgattaccc ttacgatccc tatacattga 300
 accctaaatg ctgttaatta ttgccctctg tttacccttg 340

<210> 7218
 <211> 587
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084a04d1
 <400> 7218

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 taaaagtttt cttcaacctt tttaaagaca gaatgaaaaa tctatattat atacgcaagc 120
 attatacaaa gatatgtcat aaatagaaga aaaaaaggta aaagaagggg acgggaaaga 180

gggaggggaa gaagtaaaac acatccaagc caaatttggt cactctattt ttatatgtta 240
 aggggctctt ccctagattg tccattgttg tatccatcat aggttttggt ggacttgtaa 300
 aactttctct tcaacacaac aatccatgtg atcacttcca agaacaaggc aactgcacca 360
 agtgcaataa gaactgcagt gtaagttgat ttccatttct gatcaggatg caagatgcta 420
 aagcccctga agatgttgat gattcccagg ataactatgc tgtatccgac gctgtggtga 480
 tatatgttcc agatgtacct atacttgtga tccttcaactg gcctcaggaa caatgcaaaa 540
 atctgagtgt tgcaaacaaa agaggcaatt ccatatagcg atgactc 587

<210> 7219
 <211> 522
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084a05a1

 <400> 7219

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 tgggaaacct ctttggcaaa aataaaaagc gtgacactga aagtgccaac aataataaag 120
 gaagaggtgg aagaatctac actgccgtga ccacaagagg cttaccacct catttcccaa 180
 cacaattacc tcattcacag cctccaccgc tattatatcc aactctagaa cctccgccac 240
 cgccaccgcc gccgccgccg ccaccggcac taccacaatc catgtccaag aaaccaagtt 300
 ttgcgagagt tttcgctaaa caaagctctt cagtcatgaa caacaatcaa tctgctgcca 360
 agaagtatgc tntgattcgt gataacttct ctacccttga acaggtgact acagccctga 420
 ggaaagaagg attagaatca tcaaattctca tccttggaaat ngattttaca aagagcaatg 480
 aatggactgg cagaatctca ttcaataaaa gaagcctgca tg 522

<210> 7220
 <211> 593
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084a05d1

 <400> 7220

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 catcgacacg aaccatgcat atatatagaa accttgacac attcatctcc atttttcaat 120
 acacttgaaa catcccaaac agagacaagc tatcattttt agacttttaa cctcaccata 180
 tataaaccct attgagaaag gcatgttatg caaactatgt aattaatgtg catgggtttc 240
 attacaatca cccgctgtac accctgagac gactagtgt cctctctcgg cacatgggac 300
 aattagttaa tttgtgtcca cactctctgc aagtcattgtg cccacatcca aaggccaaat 360
 ctcttgcatg ggtcaaaca actgggcagg ccgtttgggt ttgggtcatct ccggaggatg 420
 ctgctgtatt aatgctgggt gcaggcctag aataaggaac aggaggaggt tttggaacta 480
 ttctctttgc tcttctgtt acacgtccga gtattccgaa ttccatgggt gctctatatt 540
 ggaaggcgat ctncatgaga gcagccagag caaagctgg ctttttttcc gac 593

<210> 7221
 <211> 529
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084a06a1

 <400> 7221

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 gtagaaggag cagagctgat gtgggtgagc agttcctccc agaccacaat gagtccattt 120
 ctgcagttct tgacaagttt ggtgccatgg gaattgacac ccctggcgtc gttgcactgc 180
 ttggagcaca cagtgttgggt cgaaccatt gtgtgaagtt ggtgcaccgt ttgtaccag 240
 agattgatcc agctctgaac cctgaccacg tcctcacat tctgaagaag tgccctgatg 300
 ccattccaga cctaaggcg gtgcagtacg tgagaaacga ccgtggcact cccatgattc 360
 tagacaacaa ctactacaga aacatattag acagcaaggg tctcttgata gtggatcacc 420
 aactagccaa tgacaagagg accaagcctt atgtgaagaa natggccaag agccaagact 480
 atttcttcag gagttctcta gagccattac cttgctctca gagaacaac 529

<210> 7222
 <211> 434
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084a06d1

<400> 7222

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aacagtgtat aatgccccatg ggccatgatt tatttattta gaaagaacaa cctagcttta 60
tgagtatgaa tatcataagc attgtcactg ccatcataac agcactcaca cgcatacata 120
acataattaa caccatgaac atgcccttct acccaactct aagctacttg catagtacta 180
catatataat atccttattg aaattaaaaa aaaaacaaca gtaacatcgg aagattaaaa 240
aacatagcct cttaatcctc ccatcccat gaacctgcag tggctcgggt tcattgaacc 300
agcccattta aaggaaaaga ccttaattat tttttgcata atatattaca gattttcttc 360
ctcgatcata gacaagggga ggaaaattca agggctcctga tcatgggtgct tgttggcaac 420
attgcactgc tttc 434
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<210> 7223

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220084a07a1

<400> 7223

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aacaacacca gacgtaggag aagcttgcca agagagagga atcatagttc cttttctggg 180
aacgacagat cctcctttat gctaccttca ccacctcttt cttcatacca taccctccct 240
caagagcttt tcttcaaatt gaggaggtgc gtggcagaca aagctatgtg atcgatcacc 300
ttgatggctt ccatgtataa tcaatcgtag gtgtttcatt gtctagatat gtatacatgt 360
ataacagtat atgtgcttgc tgttgacgt tttaatagat tattaggaga tctaatttct 420
tctcaggggg ggattaatca tagacacact gcttaatcaa tattnnntga ggagatatac 480
atc 483
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<210> 7224

<211> 532

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a07d1

<400> 7224

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 taggaatttg gccatgggta acaaaatcaa ttttattcaa tcttaagcag cacaacactt 180
 cctctggaag ttctcttgc ttttgtgcct ggatagttag gccaacatca agtattccat 240
 gctttacacg gtctcgaagt gaatcaagtc ctttccttga tatatagcta aagcgatgta 300
 tatccagatc tatttcaaag tagttaggtc cttatagaa ctctgtgttg ggacgtgaca 360
 aaactggctt gccattgtag gcatttataa gcttcttctc ggcagaatac agattaaggt 420
 cctctggatt aactactcca gccaaaattt ttagtctctc cctataggga accaggcttt 480
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<210> 7225

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220084a08a1

<400> 7225

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 gcatgggtga gatgataagc acgcaacgca attaaaaaga attaatatgc aacgaatgga 120
 tgtgtttgaa gctggcctca tatatcaata atggattaga tctgattctg gctcaacggt 180
 catgacgate accaccact actccattcc gggaagctct gggtatctgg acatataccc 240
 agagaggaaa gtctctgcct ttcaaaaccc ttacattatg ggcttactg ctgtcgctag 300
 cattggagga ttgtctttt gctacgacac tgggtgttata tctggagccc ttctctatat 360
 caaagatgat tntccggatg tcaggcacag taattttctc caggaaac 408

<210> 7226

<211> 503

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a08d1

<400> 7226

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 tacaagatta catttttagc ataatgtccg cgttgcaatc ttgtcacact ccacattcac 120
 aatgggtctga aataaaagag gtgtacgcc aagtttgagt caaacttgtg gcagccaaac 180
 taataatagt gactaaaaaa aaaaattagt ttatatcact ttatagcata atatcaatca 240
 tagcagaaca tgatatagac atgagccgca ctaaaatgct ttgcattcct aggaatgatt 300
 ttcagtccga acaagaaggc tttgagcatc agggttcttg cccaagctc tctccttcca 360
 taacagctcc acttcatcaa atgtcaatcc cttggtttca ggaacataga caaccacaaa 420
 cataaacgca agcacggcta taatagcaat aattaagaaa gtagggccag tgcctacagc 480
 tgcagcaacc gacagaaatg act 503

<210> 7227

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a09a1

<400> 7227

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 acaacggcca caactcccgg acatgcccg cgcggggagg gggcggcgctc aagctgttcg 120
 ggggtgaggct gacggatgga tcaatcataa agatgatcgc tagcatgggg aaccttaacc 180
 tgtcctcctg ctctcctcc gccgccgccc cacatctgca attccgttca tctccttctt 240
 cttgcaacct ccccgcgccc tcatcgccc atccaagctc cccgagctcc gacccgcccc 300
 aaggctactt gtccgatgac cccgcccacg tctccacctt cgctaaccgc cgcggagata 360
 gaaaaaaagg agtgccatgg actgaagaag aacatcggct gttcttaatt aggctccaga 420
 agctgggcaa aggagactgg cgaggga 447

<210> 7228

<211> 571

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a09d1

<400> 7228

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ttcgtccttt tttttttttt ttttttttta gccaaaccaa gaggaacaga acagaacctc   60
ttggtgctat ttgattattht aagcttcatt tgtttacagt tagaaagaat aaatattttc  120
caagaattga tctaacctga tctacatacc accatataac ttgctactaa ttggaagatt  180
aaatgctagg gatcaggaat aaaaaaaatg atatataatg gtacaaatga aaagatgagc  240
aaaagaaggc ttaattactg ctgctgtctt caccagacct tacaagctca gacagcttga  300
attgcgttgt ccttgccatt gtttaaattcc gaactaccaa ccgggacatt tgcattggaat  360
gctgactgcc ttgagggctc tcctaacaac tttatggaaa gaggggaagg ctctctatca  420
cgtacctgtg cttccccaat gcttagatga gacattccca caagttcgctc aacattaaca  480
ggttcctttg gaatgactgg gattggcttg tggatctgat ggtggcatgt ctctcctcct  540
taacttcttc aaggggtgaa cccaagttga t                                     571

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<210> 7229

<211> 408

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a10d1

<400> 7229

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actaatacat tttatgaaag aacatgtttt ataggttcat attgtacaat atatgtgtgc   60
tgactgaacc cattcgagca cactaacaaa aggggggaat tcatgggagt attctgacta  120
ttataaacag agctgacctc cagggatgga cccttagagc ctatttttagc taccctattg  180
caagaagcca taacttaggc acaagtggct tgcccatagt gcagcaaccc cttgaaatta  240
aggaggctca ttcattccct ggagtggctt caccgctgga catgtgaagc taagtgcattg  300
cctgacaaaa ctgccatatt cgaacccttg taaaaacgag acatttccag ccctgttgag  360
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<210> 7230

<211> 448

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a11a1

<400> 7230

caatattcca gttgggcact tctaaaacta gcacaagaag aagaagcttc aaccccagga 60
 ataagcacgg tttctaaaat gttttgcaat tttcacatta ttcttctaata tgctcttgca 120
 cttttggtac aaatatcatc tcagctaggc tccaaggtag aagtgccttc tggctttgaa 180
 agccctcttc cttttgaact ggaaacaggg tacgttggat taggagaaaa agatgatgac 240
 atgcaagtgt tttactactt tgttaagtca gaaaatgatc ctcagaaaga ccctcttatg 300
 cttaggctaa ctggagggtcc tggtgctct tcatittcaa gtcttgctt tcaaataagg 360
 ccacttcgat tcaagataga agagtatgat gggagtgtgc caaattagat cttgaagcca 420
 cagtcctgga caaaggtttg caacatta 448

<210> 7231

<211> 393

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a11d1

<400> 7231

cagatagtac aaacagttat ttgacactac tgctttgctc actttaaaat acaggatctt 60
 taaacattga caattcaaaa aataaaaaat catagacaaa tgagcataac attgataacc 120
 tagatttctg ccaacatagc ggctgagtta caaaggcata ttagctatcc atctactgaa 180
 catggcaaaa ccttcctcag gcttgtactc tggagctgta tgtcctgaac ccttcacagt 240
 tgcaaatgtc atttgattcg agtaaatcct tgtgtatcct gcaacttggc cttctagaag 300
 ccatggcctc caatcttcca caatggagta gtttagagcc ctaatccatg cttggggtga 360
 catgaaagga acaactgcat catgatcttc act 393

<210> 7232

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220084a12a1

<400> 7232

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gccttggcat cagtgtgtgt gtttctcttc gtagctgtga gtaatgtgtt gagctgtaga 120
gcttgaactt gaaactcttc caccctctta cctcaccct caccctgttc actccccac 180
accagcacct cttaaccac cagcaaagtc tctcaccac caccaccacc accaccacca 240
ccacctcca gcaccagcac cagcaccagc acctgttctt tcaccttctc accacaatta 300
cctctctacc cctgccccg ctaagcctnc tactcaccac catcaccatc acc 353
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<210> 7233

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084a12d1

<400> 7233

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agtcggcggc cgcccttttt tttttttttt tttcatacta gaactatcca tttcatacgt 60
actgtcactc attatttgtt atgatcaatt caagcccaga gcctacaaac gcaaaaccac 120
aaataaaaat gaagacaaac aaaacaaggc cagaaagaag gcaaattaga gacaacacag 180
ctctatcata taacttaaaa taacttgaaa tatgatatat ccataatttc ttgcatttaa 240
tggaattgg gctcaaatgc aagaggccca acagtgtaga gcacaaaagg aagcctctta 300
gacaagaaag gtttctcggg cctgagaaga gcaccagtga caccaccatg gagatttgag 360
gccttaagcc catagggtgc actaaccaaa accacgttac acttgtgggc cccgtacgtg 420
gttatgctct tt 432
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<210> 7234

<211> 510

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084b01a1

<400> 7234

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ctgaaacttc ctgatagttt atcatctatg agggtttcta ggtaattta tacaatcag 60
ggggttgcga ttttggtttt ggcagcaaag gctgttcaca agctttggaa atggcagaga 120
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aatgagcgga acactactgg gaaggccact gcaagtattc aaccacaact atggcaacca 180
 tctagtggaa tactgatgac taatgatata agtgatacta acccagagga tgctgtgtca 240
 tgttttgcac tgtcaaagaa tgactcatat gttatgtctg cttcaggggg gaaaatttct 300
 ctattcaata tgatgacatt taagacaatg acaactttca tgccacctcc accagctgcg 360
 acatttcttg catttcatcc tcaagacaat aatattattg ctattggcat ggaagactct 420
 tccatacaaa tctataatgt tagagtggac gaggtcaaaa ccaagctaaa aggtcatcag 480
 aagagaatta ctggtcttgc cttttctcat 510

<210> 7235
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084b01d1
 <400> 7235

agctgaaaaa aaaaaatcta taacgactag ttttctgtat atattaataa aatactacac 60
 aaataaaggt aggaccaaag aaaaaaaaaat aataacaatg accctccact ctgcaacgcc 120
 ccagccgaat ttacgccagt aatcctatga gggtaataac atactgtgcc aatcccacgg 180
 ttaggaagcc actaataaca aggtgtgatt ggttcaattt gattagtctt aacctacaaa 240
 cacctacgtt ccgcagcttc cctttgcaaa ccgaatggag gcaccagggg gcgggatcat 300
 atgcaatcaa aacacacact caaagttcct tagagaaaag tgctacataa tgtgccatcc 360
 atcatcttag gggttgctct gaaacagcag cacctgaagc agagctaggc ccggcaccat 420
 tc 422

<210> 7236
 <211> 494
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084b02a1
 <400> 7236

aacaagatca acaacaatag actagttctt gaggttgtgg tgttggtgaa atttttgtgt 60
 ggagatgtca ggtggtggat gcagcatagt gtggttcagg agagatctga ggggtggagga 120

002220"ETFE560

taaccctgca ctggctgcag gagtgcagagc aggtgctgtg gtttgtgtct tcatttgggc 180
tcctgaggaa gagggccaat actaccctgg aagggtctct aggtgggtggc tcaaacaag 240
cttggctcac cttgattcct atctgagaaa ccttggctcc cctctaatca ccaaacgttc 300
cactaatagt attttctctc tcttggaggt tgttaagtcc accggggcta cccaactctt 360
tttcaacat ttatatgac cggtgtcact tgtgaggat cacanagcaa aggaggttct 420
gacggctcaa ggcattaccg tacgttctt caactcggac ttgttgatga gccatgggat 480
gtgaatgatg ctca 494

<210> 7237
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220084b02d1

<400> 7237

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gtcctgaggt tgaatggaga atttgcacca tttgggaagc tgcttatggc ctgattccta 120
caagttcctc agctgttgat ctcccgaaa ttatagttgc aacccacta cagcctcccg 180
tgctgtcatg gaatttgtac ataccctat tgaaggctct ggaatatctt cctcgaggaa 240
gcccatcaga ggcattgtct atgaaaatat ttgctgtac agaggaagct attcttcaga 300
ggacatttcc acctgagtc actagagaac aaaacagaaa atcaaaatac ctagctggca 360
taggctntgg ctctgcctca aaaaacctgg ccgaggcaga acttcgtaca atggttcatt 420
cactcttctt agaatcatgt gca 443

<210> 7238
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084b03a1

<400> 7238

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cgctgcctcg acttccaccg tctcgcactg gcactcccat tcttgggttcg ctttcatttt 120
catggctttc ttcatttccc actttaactt taagtgttc tegtctcgc tcctccggaa 180
taaaccctcc caatccctca cgttccgatg attccttcat tcgagctgcc tggacccgaa 240
gatctcgagg tgaagctgca aagaaacctt acaggaaatc gtggaagcag aggacagaca 300
tgtacatgag accattctta ttaaagtgtt tcttctccaa aagatttatt catgcaaaaag 360
tggtacaccg aggaaccagc aaagtgatat gtgttgctac caciaacgcc aaggatcttc 420
gaaactccct tccatccttg atagatcata acgctttagt agttgctgga aaccttattg 480
ctcaacgatc aatggaagct gatgtatatg cagtagccta tgaacctaga aaggatgaac 540
ggattg 546

<210> 7239
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220084b03d1

<400> 7239

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ttccttaata gtatcaagaa cgatccctag tctgccttca atcctttcat cctttctagg 180
ttcataggct actgcatata catcagcttc cattgatcgt tgagcaataa ggtttccaac 240
aactctacaa gcgttatgat ctatcaagga tggaaggag tttcgaagat cctaggcggt 300
agagagagca acacatatca ctttgctggt tcctcggagt accacttttg catgaataaa 360
tctttaggag aagaaaacat tnaataagaa tggtctcatg tacat 405

<210> 7240
<211> 499
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084b04a1

<400> 7240

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tcttcccatc aaacaacaaa aaatcaatct gggaacacaaa aacaaaatgc cgtcattaga 120
 ggaggaactc ttcccatcaa ccccaggaaa gtccaagatc gagcgggtccc accacatgaa 180
 ccgccaactc tatcgctggt tcgcctccac cagcaccatg ttctctgtgg ccctcttctt 240
 aatcgccctc accgcttctt atctcagctt ccaaggcttc gtcgattccg gcagccgcta 300
 cctcaccgcc tcttggggcg ggatccagtg ggagaagcag gtccgcacct ccgcccagat 360
 ccaccgtcaa ggcgcatgt ccgtcctcgt caccggcgca gccgggttcg tcggctccca 420
 cgtctccctc gccttaaaac gacgcggaga cggcgtcgtc ggactcgaca acttcaacga 480
 ctactacgat ccgtccctc 499

<210> 7241
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084b04d1
 <400> 7241

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 taccacacta aaaaagaaaa agaaaaaaaa aacccttccc gaataaaaag gaaacaaaac 120
 aaaatttatt aatttacagg ttgccgtga ttgtagccgt aataggaaag ataccacttg 180
 acgaacttct tcaaccgggt ttgcaaatcg gtcgtgggct tgtaccgag ctctctccgg 240
 gccgaactaa tattcgctg agtaaaagga acgtcaccgt ttccaggcat gtccacaata 300
 ttctcttctg ccttcacctt caaatgccgc tccaatatac tcacaagagt aggaacagta 360
 accggcgaag tattccccag gttaaatatt ctatacggag cgggtccacg cttcttccca 420
 cccgacccgg tactcttagc cgaagtatcc aacgaccga cgcaaccctt cacaatatca 480
 tcaatgaggt gaaatcccta gccaggtcga catgggtttt a 521

<210> 7242
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084b05a1
 <400> 7242

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 gtgggaaagc tcttttggtga tgatgatgag cgtgacactg caagcgacaa cgattacatt 120
 ggtggagggtg ttggcatgta cgctgccatg accacttgaa gctttggagc tgatgcactg 180
 ctcggtgacc tcattgacag tctaaccctg tgtgagatgc agctgtagag cctgcgccaa 240
 cagctcggtc gacgtctgcg ccatgggcac tacc 274

<210> 7243
 <211> 304
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084b05d1

<400> 7243

aaacaccgta tattgcccatt ggaccatgag caagtattta ggaatgaaca acttaactcg 60
 ctgagtctca atccatgcat cttttagat gccatgatca ctgcatttac attcatacat 120
 acccttgta cctccctgac cgtgacctgc taccaaactt tgacttacta gcttagcata 180
 tcttatccct aatgctaaag gcatgttatg caaactctgc agttacagcg catgggttaac 240
 attcctatca cccgatgtcc accatgacgac tgatcctgaa ccggtctcgg cacatgggac 300
 catt 304

<210> 7244
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084b06a1

<400> 7244

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 taacaacatc agcgatccaa ccttagtatt cttcaaccca gagagatttg taataataaa 120
 ttacaacaac ttaaagcatg gcaggaggag cttatgtaga ttcgggaaat gcaaagcaat 180
 ttgatgggaa ggtcacggca ttcgtattgg ttacatgctt tgtggcagcc atgggaggct 240
 tactcttcgg ttatgatctt ggaataaccg gaggagtgc ttctatggaa ccatttctca 300

tcaaattctt tcccgggtgtt tataaacaaa tgcaagatga tgttggccat agaagccaat 360
 attgcaaatt tgacaacgag ctccttacac tcttcacctc ttccttgtat cttgctgcat 420
 tagtagcttc tttctttgct tccaccacta ccaggatgat ggngacgcag ggcctcatgt 480
 tct 483

<210> 7245
 <211> 332
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084b06d1

<400> 7245

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 ggaattcaac cccctttttt tcttcttctc ccattttcac cccttaaata tcaagggcat 120
 tctttattca actttgggcc cccccagggt tgggaaacatc atcagcatgg ggaacaatct 180
 ttgacaaaaa cccaggggac ccccaaactg ggtgcctttc ttcaaggggg aaggtctttg 240
 gccagggcaa caacatggca atgaaaagg cccttatgag gcccaatgcc ccaaaaaaaaa 300
 aaaaagggcc caacttcaag gggcaaagca tg 332

<210> 7246
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084b07a1

<400> 7246

gccctgcaga gccgcaaag caagcctgcc ctaaaaattg aacagggcag agagcaaggg 60
 caagcgagtg aacatgggaa cctctgcgaa cgctgtcgca agtggtcgtg gcggcgcccc 120
 tgtcccaaaa gacgtcgact acgctaatta cttctgcacc tatgctttcc tctaccacca 180
 gaaggagatg ctctccgacc gcgttcgcat ggacgcttac ttcgacgcca tttttcaaaa 240
 caaacgccac ttcgctggca agactgttta ggatgtgggg actggaagag gcattcttgc 300
 tatatggtcg gcacaagcgg gtgcgatgaa agtagatgca gaggaagcaa ccaagatgtc 360
 agaacatgcg cgtgcacttg tcaaagcgaa taatctc 397

<210> 7247
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084b07d1

<400> 7247

aaaataaaat aaaaatttca ggaatcttat aatcaaccaa cttttacaaa cttcagcata 60
acatattcta aaacaaaaag ggccacaagc ttcccctaaa actcagggtt agataaccag 120
cacgacggtt acccaaccat tataactgaa acatgctaaa cgtacttgag ttgcaaata 180
taaaccacca aaatgattgg aaaaaccga atgttgcaag gggcggcaac tacttttttc 240
ctattactac gtaattaaaa acccttcaat tccatatgat cacaaccct gtgagccgtt 300
ccttgatct tgcagcccc aaaatttgaa atccaaattg ttattcaatg tgagccttat 360
ttttgaaagg tgccagtagc ttgccaaaat gctgatgaat ctcacatcca agttcaacc 419

<210> 7248
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220084b08a1

<400> 7248

tgcatataga gtgatcgtga tggcaccaaa ggcagagtag tagccagcgg agttgttgcc 60
cgcggtggtg aagtagtga cggagggtga caaggctccg gcggagttgt agccaaaggc 120
cggattgtag cttccgaagg atggaagcgc cggcggagta tggtagtagt tgttgagata 180
cacgaagatc gtggtgacat acaagatcta catcttcaag gttctgaagc aggtccaccc 240
tgacattggt atctcatgca aggccatggg aatcatgaac agcttcatca acgacatctt 300
cgatatgctt gccaggtat cttctagact tgcccgtac aacaagaagc ccaccatcac 360
ttcaaggga attcagaccg cggtcaggct t 391

<210> 7249
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084b08d1

<400> 7249

gataggaata atatacgtct ctgtattagc aactaattcc atacaaagaa ggatcaacaa 60
 atcccatatt cttcacttac aaattgcttt caccaaaaag aaaaaataaa ccaacacttc 120
 aacataaaac atattcctaa cagagacacc tagatcgaag cgaaggggca taatagtcag 180
 ttcaagagct agtgaacttg gtgacagcct tggtagcctc agagacggcg tgcttggcca 240
 attcaccggg cagcacaagc ctgaccgcgg tctgaatttc ccttgaagtg atgggtgggct 300
 tcttgatgta acgggcaagt ctagaagatt cctgggcaag cttctogaag atgtcgttga 360
 tgaagctgat catgattccc atggccttgc tagagatacc aatgtcaggg tggacctgct 420
 tcagaacctt gaagatgtag atcttgcatt tctgcacgct cttcgtggat ctcttcttct 480
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<210> 7250

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220084b09a1

<400> 7250

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 cctctcttcg ctgcaatgaa gaaacgtttg tttttcttct ccgaagaaga aaaaaggctc 120
 tcggcgacga tgcgcagcac cactctccct cgttcctcga tgcccttctc tgccaagagc 180
 gagaaacctt cgaggaagac tttgatgaga acggttatga gcgtgagacc gaaaacaacg 240
 aacctctgtg gataaagtcg caatctttgc cctaggtttt gcacgataat gacctgttct 300
 gggaagacga agagctcgag tcgttaatcg cgaaagatgg agagacccat ttgngttttc 360
 atggagtcgt tgctaattggg gcc 383

<210> 7251

<211> 472

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084b09d1

<400> 7251

gattgcacat attgtcaaat atcagtgtaa gatgagtaaa aactgcactg aaagtataac 60
 tcaggtagaa ttacaagttt ataacttata tttctactca gtaccagatc ccttttccac 120
 cttaaaccac aaagtggaga agggatatctc agtctctgcc tcattaattt tcaaattatg 180
 gctagaaatg tctataacta agaacataat ttagtagcat ttcaataaca taactgccag 240
 atttatatga aagaaagcta ccacatttga agtaaatact aagttcatta ttagcgaggg 300
 ctattaagaa catcaattga cacacaattg acagaaggca gtcgcatttg ctgggtcctga 360
 gattttctcc tcttcaacag cggctccagt gaaagtgaga ctgatgatga cacgggtccat 420
 gaatcatttg agctatcaca actgaaagat gcatcagtga cagcacctgg gc 472

<210> 7252

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084b10a1

<400> 7252

ctttcatttt cacactcaac cttttcttca tccttttata tcgtctctgc caaaacgatg 60
 ccgtttgctc tggagaataa cggaggagtt acgatcggac ggtcctcctt cgcttactgc 120
 gtcgcgatct gcgatcgaga ttttccggat gatgattccg actccagctc cgactcctcc 180
 atcggaagga acagcatctc gtcggatgat tcctccgacc gggaagacgc cgtcgaagtt 240
 gaggttcagt gttccttcaa aggccctttg gataccatca atgatctaga ggaagattta 300
 cccgtcaaga aaggcatatc taagttctat agcggcaaata ccaagtcctt cacaagctta 360
 gcagatgctg cagctgcaag ttctatggaa gagatagtga agccagagga tccttatgct 420
 aagaaacgca agaacttaat agct 444

<210> 7253

<211> 448

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084b10d1

<400> 7253

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aaaaataacc aaagctgaaa tataataata tacaacactc aagtcagggtg ggtccacata   60
ggacattgaa aagttcacia agtactgggc cattacaaac aaactcgaat gtgaacccaaa  120
ctcatgggca ctggctatca actaaaagct tatattgggg tcaaaaattc agtgcattta  180
gcttccacta caaatagcca aaccagattt atcatgagcc ttagcaacag agtgcagatc  240
agtccatgaa tatgatctcc aagggggatt tcgtccagtt gaagaagggt gaggcagcga  300
tgaccgatta atagcacggg atgaagagga ggaagagggc atggaggcga tattgaagtg  360
gagctactac cctcttctact acagttcaaa gtgagacaag atgctcctcc acctatgtta  420
ctgggtcgct ttgatattcc accaatgt                                     448

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<210>      7254
<211>      523
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084c01a1

<400>      7254

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ctcttggcat gaccattcaa atgtcttctt ttctcttagc ttctcttgct gttttctttt   60
tcttctcttc cttggagaag agttttgcct ttcaagcagc aagaaaggag gacacagaaa  120
gcaacaatct tcatcaatat actcatcttg ttcacctcag ctactcctt ccttcatctt  180
cttgagctc ttctacccaaa ggtcccaaaa caaaagcatc attagaagtg gcacacaaac  240
atgggccatg ctcccaacta aatgatcatg atggcaaagc taagtctaca acaccacaca  300
gtgacattct gaaccaagac aaagaaaggg tgaagtacat taactcaagg ctctctaaga  360
acttgggcca agatagtagt gttgaggaat tggactcagc taccctacca gccaaatctg  420
gtagccttat tgggtctgga aattactttg tggttgtggg tcttgggaca cccaagaggg  480
actcgtcact catTTTTTgac acttggcagg atctcacttg gac                                     523

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<210>      7255
<211>      445
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220084c01d1

<400>      7255

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attcaacaaa cctttaatta ataacaagaa caagttttaca ttatTTTTTT tcattttaca 60
 tatgtacaat tgcaagcaat cgcacagctt gagagtcata catatttcac ctctccatt 120
 cttttacaac attatattat atgttttcca acaattaatc actatttaac ttccccaca 180
 ttattggttt cctttttcta tttccactgt tacattatgt catgacaaca acaatagtaa 240
 taatgaaagc ctagaaccaa ttaagattcc tttgtcccta actagcccaa agcatgttta 300
 atcattaatc acttgacccc accagcacca aaccaattc tcccacctcc aacatcatac 360
 acaacctcta ttgttctctg tagtacgttc ccatatatag taacatcact atcgtcacca 420
 tttgcggtcaa aagccaaaca aacct 445

<210> 7256
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084c02a1
 <400> 7256

gaagatgaag aaatggaaag tgagagtgaag gatgggttca gtgtgctgaa tgggtgggaag 60
 ggtgtaatat tcagtgaaga agtgaggggtg aaggatggag tttgtagggt gagttttggt 120
 gaccaggaag aggttagtag tggtaaagaa atgtatcttg caaagggact tgggtgtagag 180
 tgctgtgggtg atggcatagg tggttgtaga ggtgggtgggtg gcagggtgggtg gtgctcatac 240
 ttccttggggg tttgg 255

<210> 7257
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084c02d1
 <400> 7257

gtgaattcag ttatttataa acattggctt caacataaga acttcattac atcacaagac 60
 actcgcttgt atttgtacgt ataaaaactt catcaccaat tcaagcacct gcagtagcca 120
 cagctccttg atgagaatga ggcgagaaac tttgaggttc atagatacca tcctcgtctt 180
 cctctgagtc ccaaaggaaa ctagcatatg ctgcttgtag atggctgtct tcaggagagg 240

ctaggactgc tctttcaaaa tagctggagg cacgttctag gttgagaagt agttcccaaa 300
 ctaacttccc atactgggat agaacctctc catcattagg gtctgcaagt atggcacggg 360
 aataatactc ctctgctcct tcacgggctt gggtgcactg atácaaaaaa taggcataat 420
 tcct 424

<210> 7258
 <211> 506
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084c03a1

<400> 7258
 cagaagttga aaaggccaaa gaattcaciaa gggggaagaa caaaagggcg gcaatacaat 60
 gtctgaagag gaagagggtta tatgaacagc aaatagagca gcttggaaat ttccagttgc 120
 gtattcatga ccagatgata atgttggaag gtgctaaagc caccacagaa acggtagacg 180
 cgттаагаас tggagcagct gctatgaagg ctatgcaaaa agcaacgaat attgatgatg 240
 ttgacaagac tatggatgag atcaatgaac agactgagaa tatgaaacag attcaggatg 300
 cattgtctgc tccaattggt gcggctgctg attttgacga ggatgaattg gaagcagaac 360
 ttgaagaact gcagggtgct gagttggaag aacagcttct tcagccagca actacagctc 420
 ctgcggcccc agtgcaggtc ccagctgggc agcaacctac ttcgccagtt cccgcaaagc 480
 gaacttcgga agaagatgaa tggcag 506

<210> 7259
 <211> 573
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084c03d1

<400> 7259
 ccagctgtcg gcctttcggt ttttttttta agatataata cattgattaa actgaccacg 60
 ttaaactcaa ccacataaag tataagatag tcaaatgcat caatatactt gatacgtata 120
 atggaaagga ggggttcgaa ctcatocaaa ataaaagtag tacgttttga agacttttat 180
 gataattttt tttccacttt tatatacatc ctctggtcag ctcaataatt tcaaagataa 240

gcgagcagga gagaagcaga attctccacg taatagtggg tacaattctt cattgaagcc 300
 atgcacaaaa aaaagcctgc aaaattctgc tcaaagtgcc atctcagcct gcaaagctgc 360
 caattcatct tcttccggag ttcgctttgc gggaactggg cgagtagggt gctgcccagc 420
 tgggacctgc actggggccg caagagctgt agttgctggc tgaagaagct gttcttccaa 480
 ctcagcacc ctcagttctt caagttctgc ttccaattca tgctcgtcaa aatcagcagc 540
 cgcaccaatt ggagcagaca atgcatactg aat 573

<210> 7260
 <211> 552
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220084c04a1
 <400> 7260

gtttatgatg ttactgatga agcatctttc aacaatatta ggaattggat tcgcaacatt 60
 gaacaacatg cttctgacaa tgtaacaag atacttggtg gtaacaaggc tgatatggat 120
 gaaagtaaaa gggctgtgcc tacctccaaa ggtcaagccc ttgctgatga gtatggtatc 180
 aagttttttg aaaccagtgc gaagacaaac atgaatgtgg aggaggtttt cttttcaata 240
 gcaagagata tcaagcaaag gcttgcagac acagattcta aggetgaacc tcagactatc 300
 aagattaacc aacccgacca ggcagccacc ggggggtctag ctgctcaaaa atcggttgc 360
 tgtggttcat gaaacaaata acagatcaga atctgcagtt agaggggtgca gattcaacac 420
 ttgccctcat atgggtgcta tagttatfff gatgacattt aaaagtggga gcatgtattt 480
 gtccttgat ttcccaactg caaagactat gttttgaaga tagtgcttta aattttttgc 540
 ttanaaaaaa aa 552

<210> 7261
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220084c04d1
 <400> 7261

aagcaaaaaa tttaaagcac tatcttcaaa acatagtctt tgcagttggg aaatacaagg 60
acaaatacat gctccactt ttaaagtca tcaaaataac tatagcacc atagagggc 120
aagtgttgaa tctgcaccct ctaactgcag attctgatct gttatttggt tcatgaacca 180
cagcaagccg atttttgagc agctagacc ccggtggctg cctggtcggg ttggttaatc 240
ttgatagtct gaggttcagc cttagaatct gtgtctgcaa gcctttgctt gatattctctt 300
gctattgaaa agaaaacctc ctccacattc atgtttgtct tcgcactggg ttcaaaaaac 360
ttgataccat actcatcagc aagggttga cctttggagg taggcacagc ccttttactt 420
tcatccatat cagccttggt acccacaagt atcttgttta cattgtcaga agcatgttgt 480
tcaatgttgc gaatccaatt cctaatttg ttgaaagatg cttcatcagt aacatcataa 540
a 541

<210> 7262
<211> 527
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220084c05a1
<400> 7262

ctttagtggg ccattaatgc ttccaaaccg agcttcagca aatagtttat cagccccaat 60
caaatcttct ggaggattca gagattcctt ggatgataag tctaaggcta atctagtgca 120
aattaaagga cgattttcag tgacatcaga aaatttagat ctggtgaagg atattcctgt 180
aagttcagtt tcacgccgat cttcacaggg atcaccaatg aggaaatctg cgagtgttgg 240
tgattggatg gtggatttca aacaaatgca gtcttccaat gattctgcca atatcaatat 300
tcctgcatca cttctagtgc ctcatcttca caatcttttt cagcagacat ctattcaaca 360
ggatcttata atgaatctgt tgaatagctt gcaaactgcc gaggcaattg atacttctca 420
gaatggaaag ttaccacat tacctcgcaa ttcagagaac aatggaagtg ctgatacagc 480
agtttcagag agggcaccac tactgctggg cagaatttca gaaactc 527

<210> 7263
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084c05d1

<400> 7263

acaaaaagcc ttttcaagtc caaatccgat ttagtaaaaa aaaaaaaacc aatttaatgg 60
 ggaggggtgg tatttctccc ccgggggagt cccacaaact tttttatcag gtttcccag 120
 aatttgggat tgggtccgga acatagggga ttgctggttg atacaaccga gaagcttatt 180
 tacctctgaa tctttaaagg aaataaatta ggggattaac tttgaccgat cattattttg 240
 gtcatttgcg ctaacggggc tttatatata gaacggccca aaagcttatt gaacccatgg 300
 gtggacccaa taaccttttt ttttgaccct tatcaggggc gggcttttaa cctccaaaaa 360
 gtggttctcc tcaaaaaaga gaaaaaattg gggttcaacc ttt 403

<210> 7264

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084c06a1

<400> 7264

ctctgagagg cctcatacga ggtgagtaag atgaataaac actggagcac cttctccctt 60
 ccggttcgta tgcttaga 78

<210> 7265

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084c06d1

<400> 7265

agccaatcat tttcttttat gaatgaaaat gatacacact gaaatactat ctactacta 60
 gcgtgtaaac caccgacgga aaggagaccc acacgattgc tcacacttac tcacacgagg 120
 cgaggcaaaa catcagtac aaggacaacc ttaataggcg atgaacactg tgagtgactc 180
 cgcgtaaca atgcgggtaa gtacgcgtgt aaattgtccc gatctacatt cccctgtaaa 240
 tgatacttct acctgtcatc gagacatact 270

<210> 7266

<211> 58
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084c07a1

<400> 7266

ctcaccgagg gctcgttatg gctcagtagg ctgagtaaac tccggcgaac atgatgcc 58

<210> 7267
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084c07d1

<400> 7267

gccaggaatt ttcttctatg attgataagc atccaaactg atacactgta ggattacgag 60

ctgccatacc atcgactgac agatggcctt caccattacg catacttact cacacgctgt 120

gacgtaaaac atcttcctca cagagacact tagttcgcga cgaacgggtca tagttactag 180

gcctaaagat tgtgagcaag tacacggcct tattaccctt atatacgggtg cgcttgtcca 240

ggtaatcgta cctgacatgc ctgcccgcta ggtgaatttc gctgaccgag atgggggggt 300

gacagtcgcc acgggcatgc ctagaagaca tctgggcatg ctagctgtca agatccctga 360

tgcaactgtc caggatgcca atggccctgc tagtgattcc ag 402

<210> 7268
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084c08a1

<400> 7268

cgcttcgctt ccagacagag catcagcagc acagcgaaga accgcttccc gttccgtcac 60

tctctgccgc tgaagaaaac aaagcaacaa cgaagcttcg aaagaagaaa gaagacgacg 120

tcgtttccga taaccgcttc aagctccaga acggaagaga ggtttttgaa gaaaaagcgt 180

acctcgtagg cggtgagcgc aagaacgaag ttcaagattt cggcatcgaa gagtctctga 240

gcgaatagtc gcagtttagct gacactgctg gattataggt ttaggctct acttaccaga 300

agcttacttc tccaaatcct aggacgtaca taggctctgg caaggtttct gaaattaaga 360
 gagcaattca tgcaattgggc gttgaaactg ttatctttga tgatgagctg tcagctgggc 420
 aattgcgca 429

<210> 7269
 <211> 522
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084c08d1
 <400> 7269

aatccaaatc gaaatcggat tggatatgca tggctactaa ctgtagctac aaaccaattt 60
 gcactgccat cccaacgtgt cgaacatgat ttcaataatt acacatacat atgtacatgt 120
 tatgctgcaa aattagatat attaaagaaa gttaagggtg cgatacgcac agttgcctca 180
 tgggtgtaag cattcttgca aaacgcaggg gcacatgtgc cttgatatat gttccttgct 240
 ctgtatatc agttttctca accattccaa cctgggtgat ggtgctgaga aggtcccat 300
 tttcaaatgg gaccagagct tccacccaaa ccatggagtc ctttagcttg tcttgaactg 360
 cattacaaaa ttcttgcaag ccattaccac ttaaagcaga tatgcataca acatcatctc 420
 ttttttcagc ttctagcctg agttttctggg gatcactaac tttgtcaacc ttgttccaga 480
 caatcaattc tgggaattggc gatacatcta gttctgacag ga 522

<210> 7270
 <211> 92
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084c09a1
 <400> 7270

cgctcatctt cacgactgag catttggtga tccgcgtata acggcttagc gttccggcag 60
 tctctggctc tggagaatac cgggcgactt cc 92

<210> 7271
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084c09d1

<400> 7271

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aatccaaatc gatatttgat tggatttgca tggatactaa ctgaagctac ataccaattg   60
gcactgacat cccaacgtgt caaacatgac ctcaataatt acacatacat atgtacatgt   120
tctgctgcaa aagtaggtat accaaagaaa gtgaaagtgg cgatacacac aattgcctca   180
tggtgtgaag cattccagca aaacgcacgg gcacatgtgc ctggctaaac ggaccttgca   240
ctggctattc agctctgtta ccattccaa cctgatgtat ggcgctgaga aggatctcat   300
ttacaaaagg gaccatagct tccacccaaa ccatggagtc ctctagcttg actagaactg   360
cattgccaaa ttcttgcaag ccattaccac ttaaagcaga tttgcataca agatcaagtg   420
tttcttcagc tgctatcctg aatttctggg gatcactaac tatgtcaacc ttgttccaga   480
ca                                                                    482

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<210> 7272

<211> 335

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084c10a1

<400> 7272

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ctcgaaccgt ctcaactaaa cgtatcttga tccttatagt ctcggatatg gactagcgac   60
agccggtagc tgaggagaag aactgtggag tctcaatcgg acgaacctgc ctctctatct   120
gcgtctcgat ctgtgaacgt gaccttgcac aggaagatgc cgagtacatg tccaactcct   180
ccatcgagag gtccagcatg gcgcaaaaag attcctgagc ccgggatgac ccagcactg   240
gtgaggctca aagatcctta catggccgtt gggatcccat ctatgctcta ctggaaggta   300
ctcccggcag gaaatgcata tccaagttct atagc                               335

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<210> 7273

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084c10d1

<400> 7273

tgcttcatca aggacaacca aatcagtgcg gtcaaagtga aaatacattg ccttatatac 180
 agttgcagcc aaggccatac aaatgtagct atgaactatt cagaactatg aagaagtgga 240
 gatctgtgac tatcagacct ttcagaatat ttcactcgca tcagagctgg atcattgtat 300
 gcattggcca acttgtcata aaattcagac atattatgct cgttttggtc tgctctgtcc 360
 ttcttaatca aacactcagc agaataattc ttgaatatag ggaagaaccg tttctggcaa 420
 tactcattga atagaagtgt gagaattgga agaggaagaa tcaatatgga tgctagagga 480
 agcttcttta aacaaaaag accaatggct attatatgca tcagtatcaa tga 533

<210> 7276
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084c12a1
 <400> 7276

cctaaccxaa gacgagagaa tagaggaagc ttggggtttg aatcgaatcg aatcgaagcg 60
 attcatcgat cgatcgatgg ctcttgtagg agttgaactg aagcatgcgg cggagggcgt 120
 accggatgcg aattgctccg ccaagcccac caagcagggc gagggcctcc gccactacta 180
 ttctctcaac atccacgagc atcagctcct tcttcgcaa aagactcata acctcaaccg 240
 tctcgaggct cagagaaacg acctcaattc tagggagagg atgctgcgcg aagaattaca 300
 gcttctgcag gaaccgggt cttatgtcag agaagttgtc aaagtaatgg gcaagaacaa 360
 agtccttgtc aagggtccacc cagaaggaaa atatgttgca gacattgaca aaaatataga 420
 cattacaaag attact 436

<210> 7277
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084c12d1
 <400> 7277

ggctcttgaat ataaatcttt taaaaatact ctataaatgt agtgtgccgt cctaagacac 60
 agacaaggaa gaactcgagg aaagaatcat gattgggtaa agttaagcaa aacgaaagcc 120

aatgccactg taaattgaaa taaccctaata gtgtgtttctc tgcccatctt cgcaggacaa 180
 tgtgcaccac aaacatgaaa tgagaatcac ttccacaact tccgcaatga catgtttttt 240
 tcagtctcct ttttcatcac cttcgccacg gccatctcaa aatcctcctg agtcacgtgt 300
 accctccgct cctcacaagc aaacattcca gcttcagtgc aaacagcctt aagttcagca 360
 ccagatgctc cattcatctt ctcggaatc ttcttcaaat caatgccacg cattaaattc 420
 attcttctag aatggatttt caaaatatcc agccgagact ctttattagg gtttga 477

<210> 7278
 <211> 217
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084d01a1

<400> 7278
 gaagatgaag aaatggaaag tgagagtgaag gatgggttca gtgtgctgaa tgggtgggaag 60
 ggtgtaatat tcagtgaaga agtgaggggtg aaggatggag tttgtagggg gagtttttgg 120
 gaccaggaag aggttagtag tggtaaagaa atgtatcttg caaagggact tgggtgtagag 180
 tgctgtgggtg atggcatagg tgggtgtaga ggtgggtg 217

<210> 7279
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220084d01d1

<400> 7279
 aggccagccc tttttttttt ttttttagagt ttgagaattc agttatttat aaacattggc 60
 ttcaacataa gaacttcatt acatcacaag aactcgtt gtatttgtac gtataaaaac 120
 ttcataacca attcaagcac ctgcagtagc cacagctcct tgatgagaat gaggcgagaa 180
 actttgaggt tcattgatac catcctcgtc ttctctgtag tcccaaagga aactagcata 240
 tgctgcttgt acatggctgt cttcaggaga ggctaggact gctctttcaa aatagctgga 300
 ggcacgttct aggttgagat gtagttccca aactaacttc ccatactgag atagaacctc 360
 tccatcatta ggggtctgcaa gtagggcagc ggaataatac tcctctgctc cttcacggnc 420

ttgtttgcac tgatacaaaa aataggcata attcctcaga aacaaa

466

<210> 7280
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220084d02a1
 <400> 7280

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 ggtgtaatat tcagtgaaga agtgaggggtg aaggatggag tttgtagggt gagttttggt 120
 gaccaggaag aggttagtag tggtaaagaa atgtatcttg caaagggact tgggtgtagag 180
 tgctgtgggtg atggcatagg tggttgtaga ggtgggtgggtg gcaggtgggtg gtgatcataa 240
 tcccttgggt tctggcggaa ctgatgcaga taggcatata ct 282

<210> 7281
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220084d02d1
 <400> 7281

gatgctcatc tatgtcggag gccagccctt tttttttttt ttagagtttg tgaattcagt 60
 tatttataaa cattggcttc aacataagaa cttcattaca tcacaagaca ctcgcttgta 120
 tttgtacgta taaaaacttc atcaccaatt caagcacctg cagtagccac agtccttga 180
 tgagaatgag gcgagaaact ttgaggttca ttgataccat cctcgtcttc ctctgagtcc 240
 caaaggaaac tagcatatgc tgcttgtaca tggctgtctt caggagaggc taggactgct 300
 ctttcaaaat agctggaggc acgttcttgg ttgtgatgta gttcccaaac taacttccca 360
 tactgagata gaacctctcc atcatttggg tctgcaagta tggcacggga ataatactcc 420
 tctgctcctt cacgggcttg gttgcactga taaaaaaat tggcataatt 470

<210> 7282
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084d03a1

<400> 7282

ctcacagaaa gcttcctaga actgcttccg aatcatcagt taccaacccc atgaagaagc 60
 gtggaggatg gaaggccata atctttatct tagggaatga aaccttcgag aggttggcag 120
 tgtttgggtt atttgccaac ttcattggtt atttgacaag agaatttcac ttggaccaag 180
 tttatgcttc taacattatc agtttatggt ttgggatctc aaactttacc cctcttcttg 240
 gtgcctttat ttctgatgcc tatgttggtc gcttccgaac catagctttt gcatcctttg 300
 gtaccctttc gggtttgatc gtggtgagtt taacatcgtg gttaccagaa ttgcaccctc 360
 catcttgtag tcctcagcaa ctagcatctc gtcaatgcgt aagagcaagc agttctcaaa 420
 taggtgtgct tcttatggga ctctgcttct taaccatcgg atctgctggg gtaaggccat 480
 gcagcata 488

<210> 7283

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084d03d1

<400> 7283

aacgggactt aattcgcttt tatggaaaaa aaaagggcatt actggttatc tataaagttt 60
 caggccctat atagaccac aatcttgata caaattttat taaagtcagg taccgagaga 120
 tccagagcgc tacctgcaga ggctcgtcaa ggaggccac atttccctag ctccgactta 180
 atcagggccca tattttgcca aaactacgtt gggggaagtt aaccagcta ttaggcatta 240
 aaagggtgctt atccttcccg ctttattaac accaggctaa cactggcgg atg 293

<210> 7284

<211> 533

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084d04a1

<400> 7284

tattagtcct ctacgatcac ctggtagacc tgaagttgtt gatgaggaag ctccaggctc 60

<210> 7287
 <211> 458
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084d05d1

<400> 7287

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 tagcgtgtaa accaccgacg gaaaggagaa ccaaacgatt gctgtgactt actcatacga 120
 agtggggcaa aagatcattg acaaggacaa ccttaatagg ggatgaacat tgtgagtgc 180
 tccgcgtcag caatgcgggt aactacgct gttaaagggc ccgatctaca ttccccctgta 240
 aagggtactt ctacctgacg tcgggacata ctagatcaca tctggtgacc acaaaatgct 300
 ggagacgatg accaaagcat tgcataatgtc gcattgtaaa atatgagctg tcaagattcc 360
 taaaaccacg aatccgacta gctattacgg gatagggttg cgaacagctt caggggttacc 420
 agtgggaccg cgcagctcag gcccggtcag agccagtg 458

<210> 7288
 <211> 435
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084d06a1

<400> 7288

cgcagagagg acccaataga ggagagtagg aagaataaac actggagAAC cttctccctt 60
 ccggttcgga tgcttagagc aatccatctc tcaccgatac tgcatactgac gggaccacga 120
 cccgatcgca cgccaagcta tgatcgctcag cctgacacgt cctgcgagtc ggcactgac 180
 ttcttgccag aacctctccg gacgtctctg actgtaccat gaggttcgag cagggcgacc 240
 atcaccgcca ccacgaccag taccaccact aggcgtaggt gtccgggtcc gtcgacacct 300
 ttccggcgca gatcgccgag gatcgctcag agcgattctg cgtcaagcac gagccggctg 360
 aactgaatct tatgccgttg cgccgtcatg agtctagtga agtggatgag catgtgcact 420
 tggctctcgc acatc 435

<210> 7289
 <211> 312
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084d06d1

<400> 7289

aaaagccaat cattttcttt taagaataac aataatgcac actgagatac tatctcacta 60
 ctagcgggta agccaccgac ggaaaggaga cccacacgat tgctctctct tactcatacg 120
 ggggtggggca aaacatcatc gacaaggaga acctaaagag gcgatgaacg ctctgagtga 180
 ctccgccgta acaatgcggg taagtacgcg tgtaaatagt cccgatctac attggcctgt 240
 taagcgtact tctacctgtc atagggacat actaggtcac ttccggtgac cacaaaatga 300
 tggggacgat ga 312

<210> 7290
 <211> 337
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084d07a1

<400> 7290

cgcagcgagg cccaataga ggagagaaag atgaataaac actcgagaaa cttctcactt 60
 caggttagga tgcttagagc aatcctctct ctccgacact tcattctcac cgatctcggt 120
 ccgatcgac gccacacaaa gatcgtcaac tcccacgtcc tctgctgcgg ctccgatctt 180
 cctcgcagga cctctccgga cctatccgac ggtaccatag atctccgagc aaagcgacct 240
 tcaccgccac caccaccact accaccacca ggcgcagctg accgggtcca tcaacacctc 300
 tcggccgcag atcaccgcgg atcacgtcga gccattc 337

<210> 7291
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084d07d1

<400> 7291

aaaagccaat cattttcttt tataaataag aataatgcac actgatttac tatcttacta 60

ctaccgggta atccaccgac ggagatgaga ccgtcacgat tgctctctct tactcatacg 120
 tgggtgaggga atacatcatc aacaaggaga acctaaagtag gccatgaaca ttctgagtga 180
 ctacgcctca acaatgtggg taactacgcg tgtaaattggc ctttatctac attcccgtct 240
 aatagctact tctacctgtc atagggacat tctagatcat ttccagtgc ctcaaaatgc 300
 tgtggacggt gaccagagca atgcagattc cacattttta aatatgatct gtcaaga 357

<210> 7292
 <211> 73
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084d08a1
 <400> 7292

ctctcagcgg ccgcactgga ggtgagtagg accactaaac actggagaac cttgtacctg 60
 ccggtgccga tgc 73

<210> 7293
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084d08d1
 <400> 7293

aatagcaaat cattttcttt tatgaataac aataatgcac actgaaaaac tatgtcacta 60
 catgcgaata aaccaccgac ggaaatgaga cctacacaat tgctctcact tacgcacacg 120
 tgctgaggta aaacatcata gacaaggaca aactaaacag gcgatgaacg ctgtgagtta 180
 attggcgtca acaatgcagc taactacgcg tggaaatact cttgatctac attcccctgt 240
 acaggggtact tatacctgtc atagagacat accaggtcac ttctagcgac cacgaaatga 300
 ttgagacaat caccaaacc gtgcagacga cgcattgtaa aatatgagct gtcaag 356

<210> 7294
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084d09a1

<400> 7294

ctcgagccga ctcaggctaa ggtatcttgc tcctaatagt tctggaaaag gactgtccaa 60
 ctgtgtagct gagtcctaga aactgtggct tctacagcgg ctgaatctga ctatttatat 120
 gcttcttgaa ttatggatct taccttgcgt ggagagatgt cctggacatg ctcaagtcca 180
 cttcagagtg gtccggcgtg gagccagaag attcatgacc tcgggatgtg cccagaactg 240
 gtgaggcaag acgattctaa catggctgtt ggggtcccat ctttgacta ctgggaggaa 300
 ctaccgggag gagaggcaga ttcaacttgt ata 333

<210> 7295

<211> 481

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084d09d1

<400> 7295

ctgccttata aatggctttc actctctttc ttacagtagc tccaggtttc ctggatcgaa 60
 gttgaaatcg cttctcatgc ctggaagcaa aatgcacata aatatgatca aatacatata 120
 tcattctaata aatatttcca gggataaaat gcattattgc tggaagtcaa ccaatgtggt 180
 aacaaatata gattcaaata tcaaacactga caatactgaa acggagattt taacaggcat 240
 gtgatcactg gacggcatgg taacatgact cggacaaaac aggcgggcta aagtgaggca 300
 cttagcacac agaactcaca attgagactt tttctgttct ctgtctacac ttgatatgac 360
 atttcctcca catgtgtgca atcttcaatt caacttaact acctgaataa gccttccttt 420
 cactgcaggg agaaagggca ctggcatcat ggctagtgca actgctttcc tcaactgaatc 480
 t 481

<210> 7296

<211> 184

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084d10a1

<400> 7296

gttatttcat aatgagctaa taggttcatt tgactattag agtgtcaatg aataaaagaa 60

gccatggaga ttcataactc agctcgaagc agcattgggc cacctgtgag cattggcggt 120
 ctgcttgctg taccttctctg agttgccaaa gatagaccat cagtacatgt gtaaccatag 180
 tact 184

<210> 7297
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084d10d1
 <400> 7297

aagccataat tagaaacatt tcatttcacc gaagttttca agtacttgat tacaatcagc 60
 aatgaatgg tcaagaatga aacagatcaa acaattctgc tcggaattct tctagtagca 120
 atacatacag tatatataca gagtacatat atccttcaca tcataagtct ctctagagta 180
 cagccttggt tgaggttccc ctttatgaga cagcttatga tacaaaagcg tgaacagaag 240
 tactatgggt acacagattc tgctgggtcta tccttggcta cagacgaagg ttcagcatgc 300
 agatcgccaa tgctcacagg tggaccaatg ctgcatcgag ctgtgttatg tatctacatg 360
 gcatatgaca ttttctgaaa ctgagatctt caaatgaacc attagctgat catgaaatta 420
 cctt 424

<210> 7298
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084d11a1
 <400> 7298

aaacactagt aaaggaagg aaccgtacct tcctcaataa aactttctct ccgatttggc 60
 ttctcagttt cggttgatcat cgtcggggag aaacaaaaaa aaaaccaca aaaagattat 120
 aacccaaaaa accaaaaata aaataaaata tgaaagagaa agtactagga tccactgttt 180
 ctcttatact agtggagggt gtcgtaattg gcgtgggtgc tgtagttcaa agtccaaagg 240
 gcgtcaacaa cagcaatgga agagaagtga aaagcaccaa cagggcagtg acagcgttgc 300
 gccaaagctc agacgacaag aaactgtgcc acgaagttct gtcctcttca aacagcacag 360

acccaaagga atacatcgca accgaggaga gaagctcgat ggacatgagc atcaaagcat 420
 tgaatatgag cgacaggctg acggtggaac acggcaacag cagcgcc 467

<210> 7299
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084d11d1

<400> 7299

ggcaaagtac gtagtttcta ttaaataaca aaaagaattt ttctattgct tcttctcaca 60
 tcatcagtct attttacatg cacactgatc aagtggttga tacaaaaaga gaccaatcat 120
 aaaatgaaaa gctattcaac gattacaaat cacatcctca aaccagttgc agggatcgat 180
 tagctatgtc actgcattga aattaggtag cagtttaatt cccggctctt gagtccatat 240
 taacgtaggc taaaaggaga ttttaccgct caacatgccc atgcaaatta ac 292

<210> 7300
 <211> 413
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084d12a1

<400> 7300

ctctagctac cttgagacaa tgggtgaggg tagtagtagt tgaatgatgc tcttaagagc 60
 atgtacaatg ctgagaaacg ggggaagcgc caggtcatga ttaggccatc ctcaaaagtg 120
 attataaaat tcctttagga gatgcaaaag catgggtaca taggagagtt cgagtacgtt 180
 gatgatcaca gagctggaaa aattgttggt gaattgaatg gtagactgaa caaatgtggg 240
 gttattagtc cgcgttttga tggttggtgc aaagagatag aaggttggac tgctaggctg 300
 ctccccctcaa gacagttagg gtatattggg ttgactacct cagctggcat catggatcat 360
 gaagaagcta ggagaaagaa tggaggaggg aaagtgtggt gtttctttta cta 413

<210> 7301
 <211> 480
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084d12d1

<400> 7301

gaagaaatcc gttgaaatta tggcgaccaa tttggttttag caaacaaaac aaagcacacc 60
 agaaaaacat ctctgctaa tgctatactt gataaactac gggcttaaca cattgatcat 120
 tacaaccggt gagtttcaag aactgaaatc agagcaaaat cttcaaagga aactaattaa 180
 actagtaaaa gaaaccagc actttccac caacattctt tctcctagct tcttcatgat 240
 ccatgatgcc agctgaggtg gtcaacacaa tatacccaaa ctgtcttgag gggagcagcc 300
 tagcagtcca accttcaatc tctttgacac caacatcaaa acgcggaacta ataacccac 360
 atttgttcag tctaccattc aattcaacaa caatttttcc agctctgtga tcatcaacgt 420
 actcaaactc ttcaatgtac ccatgctttt gcatcaccaa aaggaaattt atatcacttt 480

<210> 7302

<211> 513

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e01a1

<400> 7302

aacatgcaa acgacagcgt tctgagtctt ttcttcttcg ttaccctctt cacatgcctt 60
 ctctctgcta attcccacga tgaccatatt ttcttaccga gtcaactcca tgacgatgac 120
 tcagtgagtt gcactgctac cgacccaaac cttaactaca agccggtgat cggaatcctg 180
 acccaccg ggcagcgtgc ctctggccgg ctacgcaacg ccaccggggt ttcttacatc 240
 gccgcctcct acgttaaatt cgtggagtcc ggtgggtgcta gagttattcc ccttatctac 300
 aatgagtcac ctgagaacct taacaagaag ctcgatttgg tcaatggagt gctcttcact 360
 ggtgggtggg ctgtttctgg tccatatttg gatactcttg gaaacatttt taagaaagct 420
 ttagagaaaa atgatgctgg agaccatttc ccagtaattg ccttcaactt aggtggaaac 480
 ctcgtaatag ggatcgaagc gagcaaactg ata 513

<210> 7303

<211> 451

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e01d1

<400> 7303

aggggcaata acaagatata acacattgat atgcagagca ttgccctgaa attaagcatc 60
 ttacaaacat cactgtgcac aaatttttat ttcttcaaac tacatcccca gttcataatt 120
 tattgtgcat aaaatcaaat tcaaggacac ctctacaga tagaattatt caaagagata 180
 cacttgatca tatectttcc cagccgttcc accaaaagta ggtttgtaat tgtagatgag 240
 attatctcgc actttttgag catcaagaga gttagaggat ttcctagctt cacttatgaa 300
 aaagttagct gaggactgag taaccggaat tgcacacctt gagagaaggg ctttcaaaga 360
 tgtagcccat tcaaaagcat ttttctctgg ttgccataag ttgacagtca cgggatattt 420
 cctaccacga gctgaggaaa cgaaagtctt t 451

<210> 7304

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e02a1

<400> 7304

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 ccatacatta atgctttata tcatactagg acacaaattt gcttcccctc tttgtaatgc 120
 atagcttttc tacttgggct aataacattt gtacatgtta ttttgtgtaa tgaatttcca 180
 gatggcttat tgat 194

<210> 7305

<211> 194

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e02d1

<400> 7305

atcaataagc catctggaaa ttcattacac ataataacat gtacaaatgt tattagccca 60
 agtagaaaag ctatgcatta caaagagggg aagcaaattt gagtcctagt atgatataaa 120
 gcattaatgt atggcaaaaa cagtgtgtta gcaactgcac aagttgttga ttcttttctg 180

ttgctgtttt cctc

194

<210> 7306
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084e03a1
 <400> 7306

cccctctctc ctctctcgga cgccattcgc atgcagttct cgcacaacac actgcacaat 60
 tatatttcaa agcgcaaccc atttcaacat ttcatcattt ttctcgtgta accatcccct 120
 caccacagaa cccatcccat gaatttccca aaatgccttc aaccagaaac cccctcttct 180
 ccttactcct acattccacc ccaccgtacc caactgcacc ctgcgatgat ctccctctac 240
 tcttcttctt cttcttccct aaaatatcca aatcccaaca acaaacccca caacgccaaa 300
 tgctcttgtt tcttcttcgc cctcctcttc ttcaccgacc ccttctcttt ctacctcttc 360
 tccaccgacc tacaactcta ctctacccc aaattcgccg actcccgccc ctactgcttt 420
 gccctcgccc tacgcgcggg cccccacgcc ctacgtctc 459

<210> 7307
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084e03d1
 <400> 7307

aaaacattaa acccaatttc aatttggcga atttattaaa aaaaaccaat taacttttag 60
 gacaccgggg gacttaaata cccgggaaaa tttaatccac taccaaattt cccatacca 120
 tttaattcct cccccctata gattccaaat atcaaggaaa cagccaaata ttagggggca 180
 atctttacaa actccaaaaa agggcccttt cactggaatt tgccacgaaa aattcaatgg 240
 cgccctgggg cttaaaccctt cttttgaaat gttctggaag aacctgaaaa gcccat AAC 300
 aggctgttc tgcaaaaatg gggaaaattg gatctaaca attcttgga aagggatcaa 360
 agccccttgg 370

<210> 7308
 <211> 385
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084e04a1

<400> 7308

cattcatgca accactgctt ccaatgcagc agaaagtagc tctggaacat attgtccctg 60
 cgagtatcct agccctccgc cagactatac atcctgttcg gcagactagt acagcgttgc 120
 tcggatggaa gacagtgaca gacacactcc gcgcacagac tctgtgtacc cacagtatta 180
 attggctaaa gagaggacta tatctggaga tgcatactat ggctctcaca tgatgcacta 240
 tggcgatgcc aggcttagca gcgatgctct cttccattat ccgggtacag atactgctaa 300
 cgataatttc actcctgtgg atgaatactg cttatgggtca ccttgcaagc cagtcagcca 360
 acgtgatgct gatctcatcc atttc 385

<210> 7309
 <211> 331
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084e04d1

<400> 7309

tagccggcgg ccgccctttt tttttttttt tttttttgcc attctttttc tactaaaaat 60
 aatacgagtt gacattgata ttcaacctta ctactggcat gaaaactacc gtcggaattg 120
 tgatccaaac gagaccaggg aataaccgat ccgccagggg gccaatgaat aaaaacacgg 180
 ataatattac tatgggatga actccatgcc ttgctatgcg tgaatattcc aaataaatag 240
 gcccttaat gcccctaaa tccttatgcc ggaaatggct ccatctactg gacataggga 300
 cagcctagtt caaaattggg gactacaaag g 331

<210> 7310
 <211> 81
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084e05a1

<400> 7310

ctcacatagt atccaataaa ggtgacaagg atgaataaac actgtggaac cttgttactt 60
 cgggttcata tgcttagtgc a 81

<210> 7311
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084e05d1

<400> 7311

gccattaatt ttctttttaa aataaaaaata atgcacactg aaatactatc ttactacaaa 60
 cttataaacc accgacggaa aggagaacaa aacgattgct gttacttact cacacggagt 120
 gaggcaaadc atcatcgaca aggacaaact aaataggcga tgaacattct gactgactag 180
 gcgtcagcaa tgcgggtaac tacgtgtgca aatagtcccg aactacattc ccctgttaaa 240
 ggtacttcta cctgacgtgg ggacattcca ggtcacaccc ggtgacc 287

<210> 7312
 <211> 73
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084e06a1

<400> 7312

ctcacagagg ccgcaataga ggagagtagg atgaataaac actggagAAC cgtctaccta 60
 cgggtgcgca tgc 73

<210> 7313
 <211> 120
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084e06d1

<400> 7313

aatagcaaat caatttcttt taagaataaa aataatgcac actgaacaac tatctcacta 60
 catgcgagta aaccaccgac ggaaaggaga cccacactat tgctgtcact taccacacg 120

[illegible]

<400> 7314

<210>	7315
<211>	354
<212>	DNA
<213>	Glycine max

<400> 7315

<210>	7316
<211>	72
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220084e08a1

<400> 7316

ctctcagcgg ccgcacttga ggtgagtagg ctgactctac actgcggaac cgtgtacctg 60
cggtatgccga tg 72

<210> 7317

<211> 400

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e08d1

<400> 7317

aatagcaaat aattttat tttt taagaataat aataatgcac actgaaaaac tatgtcacta 60
catgcgcata aaccaccgac ggaaaggaga cctacactat ttctgtcact tacgcacacg 120
tgctgaggaa aatggccata gacaaggaca acctaaacag gggatgaacg ctgagactga 180
atcagcgtca gcaatgcagc taagtacgag tgcaataact ccagatctac attcgcctct 240
acaaggtact tatacctgac cttagagccat accaggtcac ttctagcaac cacgatatga 300
tgtagacaat caccaaaaca gtgcagatgt cgcagtgtaa catatgggct gtcaagagtc 360
caaacaccaa gggcgcgaca gctaaaaggg ctaccactgc 400

<210> 7318

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e09a1

<400> 7318

ctcacatcgg cccgactagg ggtcagcagg accactcaac actggagaac cgtgtacaag 60
ccgatggcca tgcaga 76

<210> 7319

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e09d1

<400> 7319

attggttaatt aattttcttt taggattaac aatgatgcat actgaaattt aatgttacta 60
cgtgcgcata aacaaccgtc ggacatgaga cctagacgat tgctgttact tacgcacacg 120
tactgacgac aatggacata gacaaggata aattaaatag gctatggacg ctgagagtta 180
attggcgtca gaaatgcagc taattacgcg tgcaaatact ctagatctac attcgctgt 240
acagggtact tatacc 256

<210> 7320

<211> 430

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e10a1

<400> 7320

cttaatagat ggagctctag tatccccttt ttcttctgca agaactacac caactaaaac 60
ctccttcttc tttttttttt ttggaggct ggcatgtgtt cttcttttac ttcttcttct 120
tcttccaatc cttaaggaaa aaaactaaag aaaaaaaga gagccatgtc aggctcgtat 180
aatcccaact tatgtcctgc tagagcaact tctcctcaga ttaggagcaa tccagaagtg 240
gacagtcagt acctatcaga gtagctagca gaacatcaga agcttggacc cttcatgcaa 300
gagcttccca tatagcagcc gactcctaaa tcaagaaata ttaagggttt ctagaatgca 360
gtccaatcaa agttcaggag acttcgatag actgcgacat agaagcccta gtcctatggc 420
ttcttcaaac 430

<210> 7321

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084e10d1

<400> 7321

ggcaaaaatc aaataatttg cataaaattt atatgtacca ttctatataa acaaatacca 60
catttgttct ttaatggtac atggtaagaa gtttatctgg catgcatcat tccaactaca 120
gtgcatagtc ctccgaagag aatacaaattg cctgtgacaa acaactaaaa agaattccagc 180

ctatgctaac ttataataaa tattaataa ccatgagact ttgacaatgt cacatgccaa 240
 taaacactgc attgacatag gacctaatac ttattacca ccaaccatca tatgtatata 300
 ttccacactt ctcaaaaagt aactgacgca tgaataaatc caatgaatgt attaagtttg 360
 caagggagaa aaaaaaaggg ttggtttgaa caaacctatt ctcaataccc caactatata 420
 attgctctct tttaaaaatt cttcattcca gctttgcctc ctgtctgttc aaaaagaaaa 480
 ag 482

<210> 7322
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220084e11a1
 <400> 7322

tctcagtctc tgagtttagc gagctgatga ttccgaacga gtgaccttct tcgtttctcg 60
 caaagtttaa gtaatcatgg gtaaggaaaa gggtcacatc aacattgtcg tcattggaca 120
 tgctgactct ggggaagtcaa ctaccactgg tctactagatc tacaagcttg gaggtattga 180
 caagcgtgtg attgagaggt tcgagaagga agctgccgag atgaacaaga agtcattcaa 240
 gtatgcctgg gtgctcgaca agctcaaagc tgagcgtgaa agaggaatta ccattgatat 300
 tgctttgagg aagttagaaa ccaccaagta ctactgcacg gtcattgatg ctccctggaca 360
 tcgagacttt atcaagaaca tgattactgg tacctnccag gccgactgag ctagccttat 420
 tatagactcc accactggag gntnagaagc tggtatttct aaagatggac agacccgaga 480
 gcatgctc 488

<210> 7323
 <211> 563
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220084e11d1
 <400> 7323

aaacagttaa caaaacttcc ttataaatta aatgcaaatt taagacatcc ctctcagca 60
 gcaaaggaaa tggactaaaa ccctatggct gcttgtgaat ttgaaaatct cagactttta 120

ccatcaaaac aaaaaacagt actcatcaaa aacaaacagc aacgaaaatg ttaccgccga 180
tcaagaaccc agttttgaag gctacggcta catgaaatcg gcggacactt caaaatataa 240
ctggtaaaac aaacacctaa gactctgcaa agataaacta ctgtaaagga acaagttttt 300
ttgaaaccac gttgatgata acatgtgcta gcaaaattgc caaaatgcaa tcacttcttc 360
ttggcgccag cctttgtgac cttggctccg gtgggggtctt tcttctcaac actcttgatg 420
actccaacag ctacgggtctg acgcatgtcc ctcacagcaa aacgaccaag gggaggatac 480
tcagagaaag tttcaaccac catgggcttg gctggaacca tcttaaccat accagcatca 540
ccattcttca aaaattgggc tct 563

<210> 7324
<211> 312
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220084e12a1
<400> 7324

ctctagctac cttgagacaa tgggtgagggg tagtgtgttg aatgatgctc ttaagagcat 60
gtacaatgct gagaaacggg ggaagcgcca ggtcatgatt aggccatcct caaaagtgat 120
gataaaattc ctttttggtga tgcaaatgca tgggtacatt ggagagttag agtacgtgga 180
tgatcacaga gctggaaaaa ttgttggtga attgaatggt tgactgaaca aatgtggggg 240
tattagtgcg agttttgatg gcggtgtcat agagatagaa ggtgggactg ctaggctgct 300
gccctgaaga ca 312

<210> 7325
<211> 478
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220084e12d1
<400> 7325

gaagaaatcc gttgaaatta tggcgaccaa tttggtttag caaacaaaac aaagcacacc 60
agaaaaacat gtcctgctaa tgctatactt gataaactac gggcttaaca cattgatcat 120
tacaaccggt gagtttcaag aactgaaatc agagcaaaat cttcaaagga aactaattaa 180

actagtaaaa gaaaccagc actttccac caacatttt tctcctagct tcttcatgat 240
ccatgatgcc agctgaggta gtcaacacaa tatacccaaa ctgtcttgag gggagcagcc 300
tatcagtcca accttcaatc tctttgacac caacatcaaa acgaggacta ataaccacac 360
atgtgttcag tctaccattc aattcaacaa caatttttcc agctctgtga tcatcaacgt 420
actgaaactc tccaatgtac ccatgctttt gcatcaccaa aaggaatttt ataatcac 478

<210> 7326
<211> 559
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084f01a1

<400> 7326

ctcgtcactc cttgctctta gccctcctcc tcttcgccgc cgtggccacc gccgcgatgg 60
cggtggccgc gtccgacgcc gacgacatcc tgatccgtca ggtggtgcca gatgttggcg 120
aagccgaaga ggaggacaac ctgctgaacg ccgagcacca cttcgcgagc ttcaaggcca 180
agttcgccaa gacctacgcc accaaggagg agcacgatca tcgcttcggc gtcttcaagt 240
ccaacctccg cagagccagg ctgcacgcca agctcgacce ctccgccgtc cacggcgctca 300
ccaaattctc cgatctaact ccggccgagt tccgccgcca gttcctcggc ctcaagccgc 360
tccgcttccc ggcgcacgcc cagaaggcgc ccctcctccc cacaaggatc tccccaggat 420
ttcgattggc gagacaaagg agccgtcact aacgtcaagg accaacgtgc gtgtgggtcg 480
tgttgggtctt tcagtacgac gggagcggtg gaaagagctc attatctggc cactgggtgag 540
ctcgtgagcc ttagcgagc 559

<210> 7327
<211> 426
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084f01d1

<400> 7327

aaacgaatca aaggtagaga agcaacttaa acattttggg atccttttgg gtatggcact 60
accacatcca taagaaccaa cattgacagt ggcacgtata ttagtttaat tatgcaataa 120

ctgagacata atcagtggca agtattcccc tgttgcagtt tgaaacaacc ccaccccgcc 180
aatctccata gagagttgct tatcttgac catTTTTtagg accacacatt tccttggatt 240
tcccacttgt atatgtcaag catacatata gaaattacat actacataaa caacatggtc 300
ttagcagttt cctgatccta tacggagata attttaccag taccaaata taaagttcac 360
aacataaata tttatacaaa ctccccttag tccagtatca catcacaacc acaatcaggc 420
atatct 426

<210> 7328
<211> 433
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220084f02a1
<400> 7328

cgcggcataa cctaaactta cccttcttct ctctgtgtgt gtgogcatca aacgcaacca 60
gaagaaagaa cagaaatcaa gttaaactaa gaagaaatgg tttgggaagc aaaaattgga 120
gacttcagtc tcatactcag aagctcataa agcaccacca ccaccgogac ctattcctcc 180
accagaagcg attaaattaa ctgatattga aaatgaaatc agtcatgac acgactatgt 240
tgttgaagtt gcaactgcc tggatgccga ggaacctgtt cctgctgttc agatagaacc 300
tgttagggtt gaagctgccc caattgctca ttatgctggt aaaccaaagg atgaagtggc 360
agctatcaaa attcaaacag cttttcgtgg atacttgga agaagagcat tgcgggcttt 420
aagggggctg gtc 433

<210> 7329
<211> 247
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220084f02d1
<400> 7329

aaataaactc tttttgcttt atttcttcag ggatttattt tcaatcctac ttttaagggtt 60
ttccatcctt ttacttggat gatcaactgt ccacaccctt ggccacaggt aactctgcat 120
ttaagctgct gctttctacc ttagggggac ccgaatgggg ccttggcctg gcaggggaag 180

ctgggaaaga aagccggttc ttcggactcc caaaggaacc tttctctggt tttccatttt 240

ctgggggc 247

<210> 7330

<211> 498

<212> DNA

<213> Glycine max

<223> Clone ID: jC-qmf102220084f03a1

<400> 7330

ctttcgcaaa aacgcattgt gtttctctct ttcgcggcgc tagatctgag cagtttggga 60

aaccctaact gctctcacca ctctctttgc tttttttcct ctccgatcaa cgacctcttt 120

cgtcgcccta agtcatggca ggacttgcac ccgagggatc acagtttgat gctcgtcaat 180

atgataccaa gatgaatgag ttgcttacat ctgatggaca ggattttttc acatcttatg 240

atgaggttta tgacagtttt gatgctatgg gcttgcagga gaatctcctg agaggcattt 300.

atgcatatgg ttttgagaag ccatcagcta ttcagcagag aggaatagtt cctttctgca 360

agggacttga tggtatacaa caggcccagt ctggaactgg gaagacagca actttctgct 420

ctggaattct gcagcaactt gactatagtg cgactgaatg ccaagccttg gtttttagcac 480

caactagggga gcttgctc 498

<210> 7331

<211> 515

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084f03d1

<400> 7331

gaaaaaaaaac cttgcttggt agaaagggtgc aacaactacc aatacatcaa ttcagaaaat 60

aatgtgactc cacattgcaa gtactcatca cttgggacat tcagacgact catatgtaaa 120

ttaaattact acacctatta agaaggtcaa acaagggttta agagcagaaa tacaacaaaa 180

ggggcaaaat ggaacaagag acattacata acacttacct cagaaaccaa ctttcctcta 240

atatgatgga acaaaaaaac tcatcaaagg agttcagcaa catttgaagg cagctcctca 300

ataatcacat tgtaaaactt ctggatgtca aacagcattt tttcatcatc ccttgtgaca 360

aagttaatgg caacaccttt cctaccaaac cttccactac gaccaatacg atggagatag 420
 ctctcgggct gtgttgggag atcataatth ataactagag acacttgctg gacatcaata 480
 ccacggggcca aaagatcagt agttattaaa acacg 515

<210> 7332
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084f04a1
 <400> 7332

ctctccctac ctctaccttc ggtatgcagc tctacttaac gatcctgacc gttatgacta 60
 tcaactcttga tgcggaaagc tctgacacca tcgacatcct tcagggtcaag atacatgaca 120
 cggatcgaat gccaccggac catcatcgtc tcacatttgc tgtaatgcaa cttgatgact 180
 gccgtaccct tgctgactac aacattcaga aggagcgtac tcttcagctc atgctacgtc 240
 tccgcgggcg catgcaggat atcgctaata cactcaccgg cagcaccatg accctccaag 300
 tcgaaagc 308

<210> 7333
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084f04d1
 <400> 7333

tgctcatcgc cgcgccagat aagcgacagc aggtacgaat ttattcccgg ggctgccagc 60
 tcggcgggccc cccttttttt tttttttttt tattgtcatt cattttcttt tatgaatgat 120
 aagaatgcac actgagatgc tatctgacta cgtacgcgta agccaccgac ggaaaggaga 180
 accaatcgat tgcaaaaact gacgcagccg gagcgaggta ccacatcata gcgcagggac 240
 aaactggata ggccattgcc actgttcattg acatggcgctc atgaatgcgc ctgattccgc 300
 gtgtaaattg tccctaacta cgggtgccctg ctagaggtag gtataccaga cctaaagaca 360
 tcctagatca ctgctggcaa ccacaaaagg ctgtggacaa tgaccaa 407

<210> 7334
 <211> 80
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084f05a1

<400> 7334

ctaagagagg actcaataga ggagaggaag aggactcaac actggggaac cgtgtacctt 60

ccggttcaca tgcttagagc 80

<210> 7335
 <211> 357
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084f05d1

<400> 7335

aaaaggaaat aattttctat taagaattaa aataatgcac acagaacagc tatctgacta 60

cttgcata aaccaccgac ggaaaggaga cccaaactat tgctgtctct tactcacacg 120

tagtgaggca atttatcacc gccacggaga acatttacag gggataaaca ctgcgactta 180

ctcagcgta gggatgcggc taattacgct tggaaatagg ccctgtctac aatggcctgt 240

tatgggtact tatacctgtc gtcgagacag accagatcac ttctggtgac cagaacatgc 300

tttgacgat caccctatca gtgcagataa cgtatgtaaa cacatgagct gtcaaga 357

<210> 7336
 <211> 72
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220084f06a1

<400> 7336

ctcacagagg ccgcaattga ggtgagtagg atgactatac actggggaac cgtctacctg 60

cgggtgcgca.tg 72

<210> 7337
 <211> 401
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084f06d1

<400> 7337

aatagcaatt cattttcttt taagaatatt aataatgcac actgaacaac tatctcacta 60
 catgcgcgta aaccaccgtc ggaaaggaga cctactctat tgctgtctct tactcacacg 120
 tgctggggaa aatgatcaca gtcaaggaca acctaaacag gggatgaacg ctgagactga 180
 ctcagcgta gcaatgcgcc taagtacgcg tggaaatagt cccgatctac attcgctct 240
 tcaaggtact tatacctgac atagagacat accaggtcac ttctagcgac cacaatatgc 300
 tggagacgat caccatata gtgcagatga cgcattgtaa aacatgagct gtcaagagtc 360
 tcaacaccac tgggcgacta acaataaggg ctagccttgc g 401

<210> 7338

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084f07a1

<400> 7338

ctcacatagg actcaatagg gatgagtagg ctgactatac actggagaac cttgtaccta 60
 cggatttgca tgcac 75

<210> 7339

<211> 453

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084f07d1

<400> 7339

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 tcaaccacat aacggataag atagccaaat gcatcaatat actcgatccg cataatggaa 120
 aggaggtcta tgaccgtctc ttactcatac gtagtacgtt tagaagactt tgacgatgat 180
 attttttgca ctttaataata catgctctgg acagctcact aatttcacag ctatgcgagc 240
 ctgagagaag cccagttctc cacgtaatag tggttgcaat tcttcattga agccatgcac 300
 aacaaaagc ctgctaaatt ctgctcaaag tgccatgtca gcctgcatag ctgccaattc 360

atcttcttcc ggagttcgct ctgcgggaac tgggagagta ggttgctgcc cagctgggac 420
ctgcactggg gccgaaggag ctgcagttgc tgg 453

<210> 7340
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084f08d1

<400> 7340

attagtaaataa aaattactat taagaataaa acttatgcac actgaaaaat tatctgacta 60
catgcacata aacaaccgtc gcaaaggaga ccagactat ttctgtcact tactcacacg 120
tacgaaggca aatgggtcaat gacaaggata taattggaat gctataaacg ctgcgactta 180
atcagcgcca acaatgcgcc tatttacgcg tgcaaatact ccagatctac atgctcctgt 240
tagagaatac ttaaaccctc 259

<210> 7341
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084f09d1

<400> 7341

agaggaatta attttctttt aagaattata cttgtgcaca ctgaaaagta atctaattac 60
atgtacataa gcaaccgtcg cacatgagac ccctactatt tctggcactt acgcatacgt 120
acggacgaaa attgccagtg gcacggataa aattaaaatg ctacaatcgc tgcgacttaa 180
tcagcgtaaa gaatgcgcct atcgacgggt gcaaatactc cagatctaca atcgccagtt 240
ataggtactt atacctgacc tctatacaga ccagacaatt tc 282

<210> 7342
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084f10a1

<400> 7342

cgctaacaca cagagtgtgt gtgtgtgata tggcatcgac gtcgtcttct agcgaggaag 60
 caccgatcac ttagttgtac atgtaggagt gtttaggttg gattgtatgg ttaagtgggt 120
 ggttctatgt ggtctacgat atgctctttc agcgcacat ggcgagtcac ttgcacaacc 180
 ccatgcctct cctcccgtc aacgacctca cctgcattgt caccggctcc accagcggca 240
 ttggcctcga aatcgcaagg caagttagca cagtctgggg cccatgttgt tatggctgtc 300
 aggtacacaa aagctgggtca agtgttgatc cagtagtggc aagttgactc tgaaagatag 360
 agtattcctc tcaatgttga agagatgcaa gtagatcttc tctcatagga ttctgtcacg 420
 aggttagctg aagcatggaa tgcacgctca gcacccttac ataggctcat caataatgct 480
 ggg 483

<210> 7343
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084f10d1
 <400> 7343

gcatgataac atacatggta acattccaaa attgaaagca acactattga tggaattcac 60
 ttatttaggt gggtcacata tgacatgtat caaaagtcaa aaacaactat aacaaatagt 120
 gcttactaat ttaattctta cttctatggt gacatttaag gtcaaagctg gctaaattct 180
 cccattagga ggagcagggtg gcatttgagt acataaatat gatcaaaatg gatatacata 240
 tcatgtttaa aaaaatataa aagggttctt ctccacata ttcagaatga aaatgctcat 300
 tactagctat aaataatgga agtgccctta cagattaagg gagatattgt atattagatt 360
 actggtcttg tccataacgg gatttaactt tttccacatc taaaagcc 408

<210> 7344
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084f11a1
 <400> 7344

gtctcaactt ctagctcttc caactcctac aacgcttttc tgtgcactca tgggcatagt 60

gagtttcggt tttatccgag agatgaggaa taggtctgcc attacctcta caaaaagatc 360
gcaaataagg aagttctgaa aggtaccttg gtcgaaatag acctccacat atgcgaacct 420
tggcaact 428

<210> 7347
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084f12d1

<400> 7347

atcaccaatt ctaattacat atggacaaac tgtatacaaa ggaatagtcc ccaataatag 60
aagtaaataa tggtaattac gaaaagccta atggaccata acatgattac cctactacgt 120
acttgaacat tataccacac aaacttgtaa gaactaatcc caatatctat catgtgactt 180
gcctcacata acgaaacacc ataaatgcac cacaataaaa cgaatcttga tggcataatt 240
tacgagatat gaaccacata tatgtgtata tatgtacaca cataacacat ctttaattat 300
agcaatacca tattattggt attattatca acctcgatc ttattgctgc caagtttgaa 360
gccacgcat cctctaggct attttcggtt agatccatgt cccataagaa accatatccg 420
tcatcacctt tggcaccaat ttgagtaaga aaggtattgt tgggtgtggt ttcgcgagag 480
aagtggagga gat 493

<210> 7348
<211> 555
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220084g01a1

<400> 7348

gtgaagcagg cagagaagag ccatggtgca cgtttccttc taccgaaact atgggaaaac 60
cttcaagaag cctcgctgct cgtacgagaa ggagcgtttg gacgccgagt tgaagctggt 120
cggtgagtac ggacttcgct gcaagagggg gttgtggagg gttcagtag ctctcagccg 180
catccgtaac aacgccagaa atcttttgac cctcgacgag aagaaccgc gccgtatctt 240

cgagggagaa gcccttctcc gaagaatgtt ccgttacgga cttctcgatg agactcagaa 300
 caagcttgat tacgtgttgg ctctcaccgt cgagaacttt ctggaacgcc gcctccaaac 360
 cctcgttttc aagtctggca tggccaagtc catccaccac gccagagtcc tcatcaggca 420
 gaggcacatc aggggttggga gacaggtggt gaacatccca tcattcatgg ntagggttga 480
 ttgcgagaag cacattgact tctcacttgc cagtccactt ggtggtgggc gtccagacgt 540
 gtgaagagaa agaac 555

<210> 7349
 <211> 432
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084g01d1

<400> 7349
 agaaagaaca gttcaaaacc atgatatctc aagcacagct ttacctcaaa acaagaaaca 60
 aggatggcaa aattataaca agtcagacca tttcaaaaat ctaaaatgtc taccaacaca 120
 gataatataa aaaaaataac aaccgcaagg cctaaatata agtagccatt aataatttaa 180
 tcttcgtcct cctcatctcc atctccacca gcagccttct tagcagcagc cctttgggtc 240
 tttctcttca cacgtcctgg acgaccacca ccaagaggac tggtcagtga gaagtcaatg 300
 tgcttctgcg aatcaaccct aaccatgaat gatgggatgt tcaccacctg tctcccaacc 360
 ctgatgagcc tctgcctgat gaggactctg gcgtggagga tggacttggc catgccagac 420
 tagaaaacga gg 432

<210> 7350
 <211> 481
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084g02a1

<400> 7350
 gtacaaaaaa gggttacttc agcttccaca tatcttgaag aattgatcaa tgggcaagtc 60
 tgtagttgag aagctacttt ggatggcaat tgtgtgcttg gtgctgggtg taatttccat 120
 tactcccaag gcccaagcag cagtgcacatg caaccagggtg gtgagcaacc tcaccccatg 180

catttcttat gtgtcaatg gtggcaaaac cgtgcctggc ccttgctgca atgggatcaa 240
gacctcttt aacctcgctc actccacacc agaccgcaa accgtttgca agtgcataaa 300
gaacgtgtt agtgcggtcc attatggcaa gtccaatgtg gaccgtgctg ctgctcttcc 360
taagcagtgt ggggttaaca ttccttacca gatcagccct tccaccgact gtaccagagt 420
gcagtgaggt taatgatata tggagcggtg actcgagaag agaaggatat acaatatata 480
g 481

<210> 7351
<211> 435
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220084g02d1
<400> 7351

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tggttgaata aaatacataa attattataa atctttaata ttatttttga ttcttacaaa 120
taaaaaaaat acaataactc aataacaaga ctagtagatg gatgtaataa taagcagcca 180
ccagtcatta atgtaatgtg tggcctacgt atagccagcc acttattcac acactagcta 240
tatattgtat atccttctct tctcaagtta ccgctccata tatcattaac ctactgcac 300
tctggtacag tcggaggaag ggctgatctg gtaaggaatg ttaacccac actgcttaag 360
aagagcagca gcacggtcca cattggactt gccataaagg aacgcactaa cagcggttctt 420
tatgcacttg caaac 435

<210> 7352
<211> 548
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220084g03a1
<400> 7352

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ttaaggtttc agaggttagg aagatgtatg cacatgcaat tgaagctcta tctgcttcat 120
gcagcaagca ctctaggcag gttcttcaag ctgccaatcc ttcttcacca gatcctgtat 180

ttgttcagtt agaacttggg cttgtggata tatttccttag tctttgcaga tttgagtggc 240
 agactgggta tagagaattg gccactgctt tatttcaggc tgaaatagag tttagtattat 300
 tttgtcctcc tttgtgctc actgagcaga gtaaacacag actgtttgag catttttggg 360
 acagtgggtg tgctagnagt tggngaagaa ggggctcttg cttgggtccac atgggttgag 420
 aaagaggagg aaactaggca acgggttatg aatgaggagc tctcacgtga aaatgaaggt 480
 ggtggttggg actgttgggc agaaccatgg tctaaagata atgagggtat ttgcaatgtt 540
 gaacatga 548

<210> 7353
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g03d1
 <400> 7353

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 ctcacaaagg gtatatggaa gcacaatata catcatgtaa ctatcttaca tacaagtcca 120
 atactatgag tactgcatca tggacctgtc ttacatacag tcggattcta gcagtagtgg 180
 gagggcgaat gtcacgactg ttgcaaaagg atctcataaa tgtcagttct caaattcagt 240
 tccttatcac gcatgaattc ctgtagatca gatagctctt ttgcagtaag gacagagttc 300
 agcttgagaa agccatccaa ccatagcctt ttgaccagg ggcaggaatg gatagcccgg 360
 aagaaagcac gtcgagctgc aaaaggatca tgtgcaattt ccatctcaa cataatatag 420
 caacgccaca gcaaaactga gct 443

<210> 7354
 <211> 509
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084g04a1
 <400> 7354

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taagaagcac acccatccac cgttcaacgc cttctactaa tactttctct ttctctttcc 120
 caaacacaaa tcaactcttct cttctaattc ttatcacacc actccctctt ttaatcatgc 180
 aacgctctca ctctttccct ctctagagac ctgcgcctgc catgtcatca caaacgcgcg 240
 ccacggaggc gccggagcct tatacgccgc ttctccgctc ccgcaccgat gccggccgag 300
 gtcccgcccc gacgctggcg ctctttctcg gccgcgccgg ccgcctgggc ccatccatgc 360
 tggtacgtga gacggcggcg cgtgagctcg aggagcgccg cgctgactgg ggctactcca 420
 agccggtggt ggcgctcgac atgtcgtgga acatggcctt cgtggtcgtc tcggcggcta 480
 tgctcgcatg caccacctnc gagcaccg 509

<210> 7355
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g04d1
 <400> 7355

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 cgaaataatt ctaagtagac tacagttgct aacttattcg tcaataaatg ctctatatat 180
 cttttctcta cagaaacagc taaacgaaac aaccatcaaa acccagcgag tagggaagta 240
 aactctttct tggcttgaaa ttatatatac atattacaca acagttgttg aaacaccag 300
 ttgggacttg gtaggttctt cgttttctgt cacacttggc cgtttccctt gagaatattg 360
 tacttgaga gaggacaagt tgcattcatc ttcagccatt tcacaatgca cgacgaatgg 420
 aaatgatggt tgcagggaag agcatgcagc tctgctccat cctcgatatga a 471

<210> 7356
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g05d1
 <400> 7356

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gttttatgag gggcgaaaac aagatgaaac tgtctatgct gaacaactaa cgtatttgct 120
 taactatgat tgcgtcctat aaagcccact tattttctcaa agagttgacc agatgcaact 180
 aactcgacac tatactgatg aaccacata atcgcagggt tcacatgcaa tctaaatttg 240
 cagttactgc aagtatgata tcctttgaga attcattcct gcatgataca ccttgagggt 300
 gattattgcc ctggagacca attcctttat atgcggagga agaactgctc tgtttgctcc 360
 ctttagaact gtcaacaccc ttgcttggtc cacggactca ctgttgccgg catgcagcgt 420
 caggttgcac tgaagcgta tcccgcgatg catttggtga atttcattac ttcttagcag 480
 tctca 485

<210> 7357
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g06d1
 <400> 7357

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 cttgtgcata aaccaccgtc ggacttgaga cccacactat gtctgtcact tactcatacg 120
 tgcggacgca aatggccagt gccagggaca acattaatag gggatgaaca gctgcgactg 180
 aatcagcgtc agcaatgtgc ctatctacgg gtggaaataa tgccagatct acattcgctt 240
 ctgaaaggta cttatacctg acatcgatac agaccaggta acttctggcg actacgagat 300
 gcgtgagacg atcaccctta cagtgcattc gtcgtattgt aaaacatagt ctgtcaagag 360
 tctgagaacc acttggtgaga ctaaaataac gggctaccct tgcgaagtgc tctacgggtga 420
 ttagtgact ctcttagctt agggcattcc agagtcagcg acact 465

<210> 7358
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g07d1
 <400> 7358

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catgtacata aaccaccgtc ggacttgaga cccacacaat tactgtcact tactcatacg 120
 tacggacgaa aatggccagt gccagggaca aaagtaaaag ggtacagata gctgcaactg 180
 aatcagcgtc agcaatgtgc ctaactacgg gtggaaataa tcccgatcta caattcgctg 240
 tgaaaggtac ttatacctga ccttttagaca gacca 275

<210> 7359
 <211> 74
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g08a1

<400> 7359
 ctctgatacg actcaatagg gttcatgagc ctgacgcttc actggggaac cttgtaacag 60
 cctattagca tgca 74

<210> 7360
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g08d1

<400> 7360
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 ttaagattta tacttgtgca cactgagagg taatctgatt acatgtccat aagctaccgt 120
 cgcatttgag accccttcta tgtctggcac ttactcatac atacggacgc aaattgccag 180
 tggcacggat aaaagtaaaa tgggtgcaata actgcgactg agtcagcggc aagaatttgc 240
 ctatctgagg ttggaaaaaac tccaggacta caattcgcta tgagaggtgc ttat 294

<210> 7361
 <211> 197
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g09a1

<400> 7361
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cgcatTTgct tgcatactgc aggctggtgg aatacaggaa gaaaaggact atccatagca 120
 ccgggagaca tggcacgctc aaagctgtca agaccaaagg ctgagctact gcatctaatt 180
 acagagaagg atccctt 197

<210> 7362
 <211> 317
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g09d1
 <400> 7362

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 aggtacataa gcaaccgaca catttgggac tccttctggg tctggcactt acacatccat 120
 aagaacgaac attgacagtG gcacggatat tagtagaatg atgcaataac tgagacttaa 180
 tcagcggcaa gaattcgctt gtcgcagggtt ggaacaactc caggtctcca atctccattg 240
 agaggtgctt atattgcacc atttgttagga ccagacattt acttggatct ccgacttgta 300
 tatgacaagc atacata 317

<210> 7363
 <211> 180
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g10a1
 <400> 7363

cgccgagaca caagaagagg gagcgtgtga ctgaggctgc gacagcgtga tggtgagcaa 60
 caccttccat tacatactcc aggctgcagg agtacaggaa gatcaggacc atacatacgc 120
 cgggagatag ggcaccggca aagctgtcag gaccacagtG gcagatactt gctctaata 180

<210> 7364
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084g10d1
 <400> 7364

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 tggtagagga gctactcaaa cattttggac cccttcggga tatggcactt acacattcat 120
 gtgaaccacc ttagacagtg gcacggatat catttaaatg atgcagtaac ggaaacttac 180
 ccagggcaag gattaccccg gtttaggatg gaacaagtcc agcaagccga tttccct 237

<210> 7365
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084g11a1

<400> 7365
 accacattca cctgagagct tccaaagcaa aggcttcct tgcagcatcc actagctgct 60
 gcttccttg gcatgtcaga aatgctagga aaccccatca acttcagtgg agccacaagg 120
 ccagctccat ctgcttctag tcttgctcc ttcaagactg aggctctttt ctccaaaaag 180
 aaggctacac caacacctcc aaaaaaagct gctgctgctg ctctgcca tgatgagctt 240
 gccaaagagt atggctctga cagaaggatc ttcttgctg aaggctcttt ggaccgatcc 300
 gaaatcccag agtactagac cggagaagtc cctggagact atggntatga ccattaggt 360
 cttagcaaga agcc 374

<210> 7366
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084g11d1

<400> 7366
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 tggagaaaaa catgaagatg aatgatttag agagttggag ctctctcagc agaccggca 120
 atgacagtga gcaagttgtt gccaaaaggg tctactgagat gttttgctag gttctcaaca 180
 ggaccttctc cggtagacata tgcttggaag tagaaacca gcatggcaaa catagcaagt 240
 ctgccattct taattccctt cacctttagc agtgc 275

<210> 7367
 <211> 482
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084g12a1

<400> 7367

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 cttcccttag gcatgtcaga aatgcttggg aaccccatca acttcagtgg tgccacaagg 120
 ccagctccat ctgcttctag tctgcctac ttcaagactg aggetctttt ctccaaaaag 180
 aaggctacac caacacctcc aaaaaaagct gctgctgctg ctcttgccaa tgatgagctt 240
 gccaaagtgt atggctctga cagaaagatc ttcttgctg aaggctctct ggaccgatcc 300
 gaaatcccag agtacttgac cggagaagtc cctggagact atgggttatga cccattaggt 360
 cttagcaaga agccagaaga ctttgccaaa tatcaagcat tagagttgat tcatgccaga 420
 tgggcaatgc taggagctgc tggattcatc attcctgaag ccttcaacaa atatggagca 480
 aa 482

<210> 7368
 <211> 416
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084g12d1

<400> 7368

ccaaggaaca aagcaaaatg ccttaataat atctcaggga tatgtattgt acattaagat 60
 tggagaaaaa catgaagatg aatgatttag agagttggag ctctctcagc agaccggca 120
 atgacagtga gcaagttggt gccaaaaggg tctactgagat gttttgctag gttctcaaca 180
 ggaccttctc cggtgacata tgcttggaag tagaaaccaa gcatggcaaa catagcaggt 240
 ctgccattct taatttcctt cacctttagc agtgcagctt ggtctggatc atttgcaagc 300
 cccaatgggt caaatggacc acctggatga agattgtctt cgaagttcag gccattaata 360
 attgtgtagt cctctgcacc tcccacaaga acaatctcag caatgacagc cacaat 416

<210> 7369
 <211> 471

<212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084h01a1

<400> 7369

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 aagcgaggaa gagatgaggg agaggtacga gatattctcg caaaacctca ggttcatccg 120
 ctcccacaac aagaaccgct tgccctacac tctctctgtt aatcattttg ctgattggac 180
 ttgggaggag ttcaaaagac acagactagg cgctgcccac aattgctctg ccactcttaa 240
 cggcaaccac aagctcactg atgctgttct tctcccacg aaagactgga ggaaagaagg 300
 aatagtgagt gatgttaaag atcaaggcag ctgcggatca tgctggacat tcagcacaac 360
 tggggcttta gaagcagcct atgcaccagc atttggaag agtatctctc tttctgagca 420
 gcagctagtg gattgtgctg gccgtttcaa caactttggg ctgtatggtg g 471

<210> 7370
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220084h01d1

<400> 7370

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 tgaactatca atatatgac gttatttatg tctgtgatac acacaattca agccatgata 180
 ttcttacgtg atttacagca acttctaact tatttaatac atcataccaa cccaactagg 240
 agcaattttc attatacaat gacacttatc tttaaactct gaagcatgac aaggaggtag 300
 gcaccaggga ccatattctt atgcaattta tgccacaact ggataagacg cacaagttgc 360
 aacaccacac atgttcttcc ccaattccat ttagaagtag ccattctcac cccaactttc 420
 tccccatgaa ttntntatga gccaatatgg gacgccattt tcaactccat accc 474

<210> 7371
 <211> 571
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220084h02a1

<400> 7371

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gaatattgat gatggacgtg ttgtcagcaa cttcattgct caagcaattc gtggtgaacc 120
cttgacagtc cagtctccag gaacacaaaac tcgcagtttc tgctatgtct ctgatctggt 180
tgatggactt atccgtctca tggaaggatc cgacactgga ccaatcaacc ttggaaatcc 240
aggtgaattht acaatgctag aacttgctga gacagtgaag gagcttatta atccagatgt 300
ggagataaaag gtagtggaga acactcctga tgatccgcga cagagaaaac caatcataac 360
aaaagcaatg gaattgcttg gctgggaacc aaagggttaag ctgcgagatg ggcttcctct 420
tatggaagag gatthttcgtht tgaggcttgg atctgacaaa aaaaattaac ttatthttcgc 480
tcctthttata tctagtcaaa atattcagat aataagtggg atggattatt ctattaagtht 540
ctcctattht tcctthttcat aattatgata c 571

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<210> 7372

<211> 444

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084h02d1

<400> 7372

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cccaaaaccc gggcccccca cctcctaagg atcaaaaata tgaaaaggga aaatgggaaa 180
acccaaaaga aaaaccccc ccacttatta acggaattht ttgaccagat taaaagggg 240
cgaaaataag gcaaacttht tgggcaaacc ccagcccaa aggaaaaacc cctccaaaa 300
aaggaagccc ctttcggaag ttaacccttg ggaccaagc aaggaattcc aatggcttag 360
gaaaaggga gtcccctggc ggggatcccc aggagggggc ccactaccc ttatcccccc 420
atggggagaa aaaaaccccc tcac 444

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<210> 7373
 <211> 448
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084h03a1

<400> 7373

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 aactgagttc aacctcaatg gttctatgca acgagaaaat gagctgagat caaaagttca 120
 aattttgata gatcaactca aggctaaaga tgctgcttta gagaagcttg agaaatgtaa 180
 tgttgagagt gttaaggaaa aatctgaggt gttggcttta agggaaaagg tgaaatttct 240
 tgaggaagag caaaaagaat ttgagcttca gataaataat gtgactgcag agaatgaagc 300
 atgtcacgaa cacctaattg aaatggaaaa ttttggtgac tctttgaaag aaagcattga 360
 catagcagaa aatcgggctg agagtgcaga acaaaggtta cacagttaac tgagaccaac 420
 tgggaactta ctgaagaggt gagttttc 448

<210> 7374
 <211> 602
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084h03d1

<400> 7374

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 cctaagatca catgaatata caataacaat acataagcta aggacttgag ggaagcacia 180
 ctgcacaaac agcaaatttt tctatatgct aggtcataac ttagcaatca aaagcttttg 240
 gaaagaaaaa tgtttccttt gtcaaaccac cagaaggcta gcacagaaat cagtgggaca 300
 aacattgcta ctgaaagaaa tgtcaagttt ctccaatttg caggcttata tgctgaaata 360
 gatgatgcta ctcgagttac ggagcttgca ccttcttcat ccacctgaaa tgccttatta 420
 aagtgatcta ttccttcttc atctgatgat ttagcagagt tatcattgct cgagtcattg 480
 ctggaagctc gatcttcatt tctgttattt agtccattgt tggatgcata taaagaggca 540
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aa

602

<210> 7375
 <211> 500
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220084h04a1

 <400> 7375

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 actcttggtc ttcggtctcc tectattctc cgctgccgta gccaccgtcg aacgaatcga 120
 cgatgaagac aaccttctga tccgtcaagt ggtgccggac gcggaggacc accacctgct 180
 caacgcggag caccatttct ccgccttcaa gacaaagtgc gccaaagacct acgccacgca 240
 ggaggagcac gaccaccgct tccgtatctt caagaacaac ttgctccgcg ccaagtcgca 300
 ccagaaattg gaccctctcg ccgtccacgg cgtcaccagg ttctccgata tcaactccgtc 360
 tgagtctcgc ggccagttcc tcggcctgaa gccgctccgc cttccctccg acgctcagaa 420
 ggctccgata cttccgacca gcgaccttcc taccgatttc gattggcgcg accatggagc 480
 tgttaccggc gtcaagaatc 500

<210> 7376
 <211> 395
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220084h04d1

 <400> 7376

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 aaatttgag ctaaactaac ttgcataaaa aattaccgca taaaagccta aacaagggtc 120
 taacaggttc cccccccata aaattttacc acagggaat tatttacata caccctatac 180
 tggggccct accctgggta ggcatccctc cctaaattta aagggtaaaa acaagttttg 240
 gcgctccgct tgaaaccatt ggggcccccc caaaaacatt gggaccctg gaaaaattgg 300
 aaaaaccttt ttttgcccaa gatttcccc aagaattttt taagaaccaa aaagggtttt 360
 ccttaaaacc aaatggggca taaggcccaa atcca 395

<210> 7377
 <211> 506
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220084h05a1

 <400> 7377

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gggtgcctcc tagcctcttc gtcaatgatg gttctttcat ggagagggttc aagcaacttc 180
aacaagagca ggataaaggg aagaatgtca aattggagga ttctaaacca attaagggtta 240
tttcagggtc tttgtctccc aatccttcct ttacaaaaac gcctgtggac ttgaagggtta 300
atgacacaag gaaaatatcc caggggtggtt ccagtggaaa gctagctttc agtttaaaac 360
aaaagtcaaa gctggtgcca cccctgttta agttgagtgc tgatgaggat gaagaagtaa 420
cagaagctgg gtatgtttca aacgatgcac cactaanacg gcataagtta ggccaggagg 480
aaggcattga ccaatcatca agacaa 506

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<210> 7378
 <211> 531
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220084h05d1

 <400> 7378

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catatacacc ataatatccc tgtaccactt cataatatgc ttgcgatata aaaaacatgt 120
tccaaaagct ctgacaagta aaaataacca aaaaccatt attctttggc ggataaaaaat 180
gcgattgaag tgaacattac cccttcccc tcttttctcc cccaaatctt agtttcaaaa 240
gactacaagc actgcagcac acaataaaaa ccctactatc aacacaccag ttcatcccac 300
tttgtaaaag ttaacttttc ctgaagagtt gcacaaagca cccaatgtca agttcagtaa 360
taagccttgc gaggattggt caggggattg ggtctgtaac ggtagccaag catcatccgc 420

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tttttgtaact gctcatatat gtcatoctca gcactcacct ctccaggttc ctgagcccca 480
 acccccaggt tattcttctt aacattaccg gccatgatag gatccgcaat a 531

<210> 7379
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084h06a1
 <400> 7379

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 attctctctc tcagtacttg ctattctgag agaagggtat gccctgccgc taggcccaca 120
 cctcccacat gactgaaatc atcatcacca gctccttccg gcacaagtct gaaactacaa 180
 caattgacct caactactca tcaaccaacc accttaatag ctttctgcag aggatactca 240
 tagatccaac tgagagctgt gcaaacatgg cggcttgagg aagttccttt gccaacatca 300
 ctagcttctc tcgcgaccaa caaccctctt accaacctct cgattcttct atcttgctct 360
 atgctccttc aat 373

<210> 7380
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084h06d1
 <400> 7380

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 cccaatggag gacaagaaaa aacacatacg taagggggaa aaaggccaga ggcagggaca 120
 atattagcag ggaaaaaac tgagactgac ccagcgcagg gacatgcaaa gacgagggag 180
 aaaaacccca agaatccagg aaaaaaaaaa aggtgctcct agctaacagg gggccagacc 240
 agataaaaaa ttggaattag aaaatgatta tgggaggcac cgatacagtg cctatatacg 300
 tacagagaga acaagggctg acaagggcag aaaacctctg cgggga 346

<210> 7381
 <211> 353
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084h07a1

<400> 7381

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cgatcatatg aagagaatac ttgcggatgg ttgtaacagt gtaaatcaac atattgaacc 120
ataatccgct tctgtagctg ggcaatagga taccatttca tcatcaaatt catatacttc 180
gatgcctctt caatttcagt ctgagactct gggagtctcc ttgctctgtt gaatttccca 240
gagccaggta ttataatatg aaggtagaaa taaatatatt gcatgcaatt cacaacgaaa 300
gattcaaagc atctgcagaa gttgccatta cattaaaaaa atgcagagat tca 353

<210> 7382

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084h07d1

<400> 7382

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tgcgactcg gaaaaaaga atccctggat tttccaaagc gactggcacc cttgggacac 120
gctctgaatc ccccctttgc acatgcatgc gaacgatcaa ttcctacccc acgtataaaa 180
atcccgcccc cgggaaatca acctgcctgg gggaatcacc gagcccccca ccggaattgc 240
aaaggccacc cagcctatga acttggacag gaaatgatag ccaactgccc agcctaccaa 300
gcggcttatg ggaccatggg cccagtatca gcgatccacc cttgcacaag taacctctac 360
atatgaacca ccggccctcg aatccgcctt tttgaaatgc ggggtgacgg atttttccaa 420
gctgacaacc ttcacccgag tgccaagcgt actcacgcgg gc 462

<210> 7383

<211> 73

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084h08a1

<400> 7383

gtctgttcct ctggactttg gtctatgtgt ctctggctgc catgacactc ggagtatcat 60
cgcacatgat tgc 73

<210> 7384
<211> 200
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084h08d1

<400> 7384

gccgtgtcgt ctcttttttt tttttttttt aagaaacttt aattctaaat taatgtatat 60
acatgcgcac tctaacaagt aaactaattg aaaggacaac aacaactaaa acctttgggt 120
cacaatctgg atatcgcagt tccacatcca tacgagccaa cagtgccagt ggcatgtata 180
aacgctaaat attgcaacaa 200

<210> 7385
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084h09a1

<400> 7385

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cgcatttgag tgcatactac aggctagtgt aatacagaaa gaaaaggact atgcatgcac 120
gggaaaagat ggcacctgga aatctgagat gaccatgatt gcagctactg catgtaacta 180
cagggaggta gccctagagg atgaactgat ggctgcatac gtagtgtaga aagggactct 240
tgcagctgct atcaatgctg ttagtatgca gacatatgga ggaggcgtgt catgcccata 300

<210> 7386
<211> 461
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220084h09d1

<400> 7386

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 aagaaccaac attgacagtg gcacggataa aagttaaata atgcaataac tgagacttaa 180
 tcagtggcaa gtattcgctt gtcgcagggtt gaaacaactc catatggcca atctccatag 240
 agagttgctt atagtgcacc attttttagga ccacacattt acttgcattht ccgacttgca 300
 tatgtcaggc atacatacag aatttacata ctacatatac aacatgggtc tagcagggtc 360
 ctgatcctat acggagacta ttttaccagt gccacatgat gaagtgcaca acgtagatat 420
 tggtaactaac tggccttagg ccagtactac gtcacagaca c 461

<210> 7387
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084h10a1
 <400> 7387

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 cacatgagac tgggggtctta cgtgtgtact tgcaccctag gatcatgctt acacatgtcc 120
 tactgcagct g 131

<210> 7388
 <211> 195
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220084h10d1
 <400> 7388

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 atcacgcaaa tgattgggggt cacacttttg gtctggctca tccaaatgca tccgaactca 120
 cagtgccagg ggcacgcata atactctgaa ccccttataa ttgacacagt gaaaacttct 180
 ccttttaaaa agggg 195

<210> 7389
 <211> 147
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084h11a1

<400> 7389

aggctctgca ttaggggagc acacacacct ggctagcact aatcaaacca ctcacaagac 60
cacaggagac tagggtcata cgaaacaact tgcaacctag gctaatacgtt acacatgacc 120
aactactgct gatgcgacga agcccga 147

<210> 7390

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084h11d1

<400> 7390

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cgcgcgcaat tgactgggtt cacactttgg ggctgtttta cccaaatgtg ccctgtctga 120
aagcgctgtg ttatcacaca aacaagggga actgtgctac actgacctag agtgaacatt 180
cccctataaa aagggggatt ttgaaaaatc tcggggagga ttatttccac ggtgcacctt 240
tttaaagtc ccctgagaaa aagacctcgg aatgttccat ctactatggg ctt 293

<210> 7391

<211> 459

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220084h12a1

<400> 7391

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cacaggaggc taggctccta cgaagcaact tgcaaccaag gctgctcgta agactggacc 120
aactactggt ggtgtgacga agcccgaccg ttatcgtgct ggtaccgtag ctcttcgaga 180
gagtaggata taccagaaga gtaccgagct tatgatccgg aactgcctt tacagaagct 240
ggttcgagaa agggctcaag actcgacgac tgagctgcga gtgcagagcc acaccgtgct 300
tgcattgcaa gaagcggctg aggcgtacct tgaagaactc tgtgaagaca ctagcccgcg 360
ggccattgac gccaagcatg tgaccattat gccgaatgat attcagctga caggaaagat 420

tcgaggcgag cgtgctagag atggaagctg gaaagatga

459

<210> 7392
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220084h12d1

<400> 7392

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 acgcgctaata gactgggttc acactttgga ctgggttcac ccaatgcgac cggaacggca 120
 tgaaatgcat tttcaaccgg atcactggat tcatgatggc tgggcaataa ctcacctgtc 180
 cctttactac aggtctgaac ttactatcca aacaaaaacg cttttcagag catagacttt 240
 aataggcaac c 251

<210> 7393
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085a03a1

<400> 7393

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 gtggcaaata aattcctttt gatgagaacg aagaaagtga tactgctcta tctcagctgc 120
 aatcttcaac tcatccacag tccgtgggtgt cattttgatg tctattgtcc ctctctgctc 180
 ttttgtctgg ttaaagagat attgtggcat ttctcgaaac taagtctgaa tctcctcgt 240
 tcaaaatgct gattggttgg aacaaacatt ggtttattcg aattttgtgg taatatagaa 300
 ctatcaagct gtgtcacacg gcttgtattg tatataaatt atgggaatta ttgcgtaaaa 360
 taatgggtat tgggacttgg gagtttagta atgtgttttt ttttcccgtt aaaaattgaa 420
 gtagttc 427

<210> 7394
 <211> 427
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085a03d1

<400> 7394

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cccattatTTt tacgcaataa ttcccataat ttatatacaa tacaagccgt gtgacacagc  120
ttgatagtTtc tatattacca caaaattcga ataaaccaat gtttgTttcca accaatcagc  180
atTTtgaacg aggaggattc agacttagtt tcgagaaatg ccacaatatc tctTTtaacca  240
gacaaaagag cagagaggga caatagacat caaaatgaca ccacggactg tggatgagtt  300
gaagattgca gctgagatag agcagtatca cTTTcttctgt tctcatcaaa aggaattgat  360
ttgccacatg tatccttctt ttgagagatg acagtctcct cagataatgg cTTTtctaac  420
ctctctt                                     427
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<210> 7395

<211> 374

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085a04a1

<400> 7395

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tgctgttcat ttgaagtaca aatgtgattc atgtggctga gtaagggctt gtgtgggccc  120
aaaactacgt cgtaacaaat taaaatggtc ccgtcattgc tttatctcgt ggattggTtc  180
attgaacgTt tgtataccct acatctTTtag ctgaaaatga ggacccaaaat tttcaccttc  240
ttcttcttct tcttcttccc ttttctaaag gattaatcta aaacccccac gagttaagcc  300
caaagaatcc cccacctatt taccgattta aaagattact actattatta atcgataaca  360
gggttcaatt cctg                                     374
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<210> 7396

<211> 529

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085a04d1

<400> 7396

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 gatcaaatca atacttatac ggctagtgtg atacaaaata ctctttaaaa ataaaaataa 120
 aagaaaagga aacattaatc tataactgac attagaacac cttggggcgt caccatggag 180
 ccaggggggtg tgaagaaaaa ccactctggaa atttagggca aacagacaga caaacacccg 240
 ttcttcatat tacagatatt ggttgaaaaa caatctgcta aaatttctga tcttttcctg 300
 aaaactacct tcattaacag cttttaataa cagtcgatgt gaaagctgca gacacagcaa 360
 gaaaattgta gaagcacata gaatcaaaaa ccctgcacct gaaatctaga gatggcagta 420
 gtctgtgtac attgatacga ggaccagcaa tcactactgc aagatgctaa tcacacgaaa 480
 attttccaaa atcagcaaaa agaaatctgt agctttttta acctagtct 529

<210> 7397
 <211> 525
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a05a1
 <400> 7397

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 ttgcacctct tccagtgggt cctcgtctcc aaggttaagc tctccgctgc cagagacgct 180
 tcccctaacg ccgccggcaa aaatggctac aacgattacc tcatcgaaga agaggaaggc 240
 ctcaacgata acaacgttgt cctcaaagtc gccgaaatcc aaaacgccat ttccgaagga 300
 gcaacctctt tccttttcac tgaatacaag tatgtgggaa tcttcatggg ggcttttgcc 360
 attttgatat tcctattcct tggctctgtg gaaggattca gcacgagcta ccagccttgc 420
 acctatgata aaactaaaat gtgtaagcca gctcttgcta ctgctgtttt cagcaccata 480
 tctttccttg cttgggggtg cacatcgctt atttctggat tcctt 525

<210> 7398
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a05d1

<400> 7398

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 ttcaaggtgg gggaggaaaa ggtttcaaaa acaatggaat tgacatgaca gatgagttaa 180
 agactaacac aaaaacgaga aggcattggt aaagggacgg cttttccttg ttctgtcgtt 240
 gtagaaaaat gatggacgat actctttttc tatcaaatac tttagatctt gaagagtagg 300
 ccaccatgtg tagcaaagaa gggagcaaac acaagagact caaccgcat gagcttaata 360
 aggatgttaa gtgaaggtcc agatgtatcc tttagagggt ctccaatggt gtcaccaata 420
 acagctgcct tgtgacaatc tgaccctttt gga 453

<210> 7399

<211> 400

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085a06a1

<400> 7399

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 ttcaagaatt tggtcattgc aaccgtgaga aatcaacccc ctacacatgt atggatctag 120
 ctagccaatt tattaataag gcacatattg ggaagcccaa aatgcaatat gtcactcgga 180
 tttaggttcc acccaaccga tgaggagctg attcttcact accttattga agaggtagca 240
 ttcataccct tgagcgatac cattattggt gaggatgata tctacaacgt tgatccatgg 300
 gacttaccac ctaaggccac ctttggggag aaagaaaggt atcttttcag acctagagac 360
 cgacagtacc cagatggtgc aaggatcaac agggcatttt 400

<210> 7400

<211> 433

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085a06d1

<400> 7400

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ggaagagaac gaaacaacat gttcaaatta gcactgttgg acactaaggg ggtctaattt 120
 gtcatacaaa ctoggatatg tcgttttagc agtgcattga gccttgaatg ggagaatttt 180
 tgttcgaggc cctaccaaag agagcttgca tccaggctag acaggtctag gctaaagtct 240
 caccacagc ttacttcaac agaaatggg tatgaaaaca ctatcacagc tatgtgctaa 300
 acccgagggt actattgggt gattaaagat tagattgggtg tgattgtttg gaacgcgtat 360
 cttttgaaca tgacacaata agtatgctat agaatttaat gtgccgatat tggcggaaga 420
 tccctgaaat tga 433

<210> 7401
 <211> 486
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085a07a1
 <400> 7401

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 taatcaattt ttctttccat ttgacacacc ataccaatca accaaccttg ttgcttcttg 180
 tgatcactcc tgaaccacac taatggatat tgatgagtgg gagtttctct ctgatgatgg 240
 ctaccttgat ttcaatgaag aggggtgggaa gcaaaagcaa aagcagaatt cctttggaaa 300
 attggactcc gagggcatct ttgacatgga ctacttttgc tcatcaccac caccaccaag 360
 ggtgagaact caactagtcc ctatgccaat tcaattggag ccaaaaattg ggaaggcccc 420
 agaagatatt ntggtgaaag acatcatcaa gagtagtcct atggaagtgg ctattgctac 480
 cccatc 486

<210> 7402
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a07d1
 <400> 7402

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acaagaccac agaaaatata cagaacaaac aacaacaata aggtaacatc tggcatcatg 120
 ttatttacag caacatagga tagggccaga ttaatagatc ttatagcatg gttgatccat 180
 tgtagactac aattgcttca cgaaggcacc taatcaatgc tttcaaagac catcatagta 240
 accaccaacg cttatgtgag ctctgctcat aggaacacct cttgctgctg aaattgcatc 300
 attcaatttg gtcgcatgct gcaccacttg cttaatcctc ttgtcatcag tatagatctg 360
 gaaccgaatc ttctgacatc gcttttagttt gttcctctgc tggcttccaa agaagagaa 420
 acaaatagta gcagcagcaa caccaaaaga acagatagct ccaacacctg tcaaactcca 480
 cttccacaag ttgaaaccac tgggtgtgtc ttcttccaa gtggactcct cttctttgtc 540
 acacaca 547

<210> 7403
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a08a1
 <400> 7403

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 taatcaattt ttctttccat ttgacacacc ataccaatca accaaccttg ttgcttcttg 180
 tgatcactcc tgaaccacac taatggatat tgatgagtgg gagtttctct ctgatgatgg 240
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 ggtgagaact caactagtcc ctttgccaat tcaattggag ccaaaaattg ggaaggcccc 420
 agaagatatt ttggtgaaag acatcatcaa gagtagtctt atggaagtgg ctattgctac 480
 cccatcagag aacacaaa 498

<210> 7404
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a08d1

<400> 7404

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ttatttacag caacatagga tagggccaga ttaatagatc ttatagcatg gttgatccat 180
tgtagactac aattgcttca cgaaggcacc taatcaatgc tttcaaagac catcatagta 240
accaccaacg cttatgtgag ctctgctcat aggaacacct cttgctgctg aaattgcatc 300
attcaatttg gtgcgatgct gcaccacttg cttaatcctc ttgtcatcag tatagatctg 360
gaaccgaatc ttctgatcct gctttagttt gttcctctgc tggcttccaa agaagagaac 420
acaaatagta gcagcagcaa caccaaaaga acagatagct ccaacacctg tcaaactcca 480
c 481

<210> 7405

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085a09a1

<400> 7405

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ctaagagatg cgctcgacgt gataagagtc ggtgcgggcg ggagtggcca aagggcatcg 120
ggcctggccc acgtcactgg cctgcacgga atggctatca gagttgacga cgctgaccct 180
gcagctcttt acaacgccta ttgttacctc ttgttctacg tcaaccgagt cgtttgcgaa 240
caccgcatct ggatcatggac aggggtgct 268

<210> 7406

<211> 491

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085a09d1

<400> 7406

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atgcataaaa gaaatagaag acacattcaa gttttcaact tcagccgagt gcaccacccc 120

cacggtcaga cacaagggtta ttaaaatggg ggtggggaaa acttgatctt ccaagtgaaa 180
 caaacatttt aaagacggga agatgatttt gtagaccttg gatctgtact atattcatac 240
 gcaccaatac ctcggtatct tccaagtctt gcagcattaa catactgcac aagtggaggg 300
 cacggtgcat atttgctgac accaaagcca gcatgaaaaa ctctcattat tgacaagcac 360
 acatcctatc caatgaagtc tgcaggctct aaaggaccca ctggatgggt agtaccacc 420
 ttcattcctg tgtcaatatg cggtaggggt gcaacacccc tgtagagagc aaaaaatgct 480
 ccacctatca t 491

<210> 7407
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a10a1
 <400> 7407

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 ctccatctctt gggcaattta acttacacag aaaaattgta cttgcatgga aacaagctga 120
 cgggcttcat cccccagag cttggaaata tgtcaaagct tcaactatttg gaactgaatg 180
 ataaccattt aagtggacat atcccacctg agcttggaaa gcttactgat ctgtttgact 240
 taaatgttgc taacaacaat ctcaaggggc caattcctag taatcttagc tcatgtaaaa 300
 atctcaacag cctcaatgtg catggaaaca aattgaatgg atcaattccc cttcttttgc 360
 agagcttggga gagtatgacc tctttgaatc tttcttccaa caatcttcag ggtgcaattc 420
 caattgaact gtcacggatt ggtaatttgg atacattgga tatttcaaac aataaattag 480
 ttggttccat ccctt 495

<210> 7408
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a10d1
 <400> 7408

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 ggggcatatt actaagtgtg ggggttttgag gatcgcatat tcatccacgt tgcattggtac 180
 tttggcagat ggattagaag cagggtggtg gccagctagg tgctttggtg ggatgcttga 240
 tggcacgtga ctttcgcgta cacgtgtcag ttcgagcatt gctggcctat cagatggctg 300
 ccgctatgtg cataatagag caggctgagt aaccctgggt acagctccta ggaccttgca 360
 tgtggcagtt acgttgggat caa 383

<210> 7409
 <211> 526
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085a11a1
 <400> 7409

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 gtcacataaa cccagcagtg acatttgggc tcttcttggc tcgcaagggtg tctttgatta 180
 gagcaataat gtacatggtg gctcagtgct tgggagccat atgtggagtt gggttggtta 240
 aggccctcca aaaggcttac tacaacaggt atggtggtgg ggccaatgag ctcatgagg 300
 ggtacagcac ggggtgttga ttgggtgctg agatcattgg aacctttgtt ttggtctaca 360
 ctgtgttctc tgcaactgac cccaagagga atgctagaga ttctcatgtg ccggttntgg 420
 ctccacttnc aattggctnt gctgtgttca tggttcactt ggcaaccatc ccagtaacag 480
 gcactggcat taaccctgct aggagtctag gagcttgttg catgta 526

<210> 7410
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085a11d1
 <400> 7410

ctaatagatt ttacttccaa tatatcaaaa aaaagctcat caattctaac aaggaaatac 60

aaaggaaagt gcttcgaagt actaaagggt ctttactatt taccaaaggc ttacttttct 120
 tgaaagaacc tttaatctgc agaggatcaa agcacaaca gcaccatatt attattatta 180
 ttgttgcaat atcaactttt ttgacctca attatctttt ttttaccatt tccactaacc 240
 ccccatgaag aggaaattga ctcaaatagt ggggttgctc ctgaatgac caagagcctt 300
 agcagcactt gctctcaata tgaattgatg gtagaaggct gcaattgctg ctccaataaa 360
 gggccaacc caaaagatcc aatggctc ccaagccttc tgatgggtgt acatgacagc 420
 agctcctaga ctctagcag ggttaatgcc agtgctgat actgggatgg ctgccaagt 480
 aaccatgaac acagcatagc caattggaag tgg 513

<210> 7411
 <211> 548
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085a12a1

 <400> 7411

gttgttgtaa ctcgctcttc ttcttttggt gttctgtgtt tgtgtttgtt ttttctctca 60
 cctgaaaatg tcttgctgcg gtggtaactg tggttgcgga agctcctgca agtgcggcaa 120
 cggctgcgga ggctgcaaga tgtaccaga cttgagctac actgagtcaa ccaccaccga 180
 gaccttggtc atgggagtgg cacctgttaa ggctcaattt gagggtgctg aaatgggtgt 240
 gcccgctgag aacgatggct gcaaattgtg accaaactgc tctgcaacc cctgcacttg 300
 caagtgaggt gttgggagag caagcttcaa gcagagatag cccttaatta ggaataatga 360
 taaactatta atgtgtagct aaaaacttat gtattatgtc tgtgatggtt ttcgtgcact 420
 ctggtgtttt gtgttaaaca aacatcctta gaataaagtg gtcattgtct gcctttcagc 480
 aagttcaagt gttttggact tgtgatgggt gtgttaagct catggntgct tctttttttt 540
 ttttttta 548

<210> 7412
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220085a12d1

<400> 7412

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 taccaaacat taaaaaaaaa aaaaaaagaa gcaaccatga gcttaacaca gccattacaa 120
 ggccaaaaca cttgaacttg gtgaaaggca aaacatgacc actttattct aaggggtggtg 180
 gtttaacaca aaacaccaga gggcccgaaa accattacag gcataatata taagggtttta 240
 gctacacatt aaaagggtgat cattattcct aaataagggg tatctttggt tgaagcttgg 300
 tttccaaca ccttacttgc aagggcaggg gtgcaggag cagtttgggc cacatttggg 360
 gccatcgttt taagcgggga caccatttt agcaccctta aattgagcct ta 412

<210> 7413

<211> 387

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085b01a1

<400> 7413

atcctgtaca tcaggttaaa tccttggtgg actgctcttc gaacatacac ctgtgatagt 60
 ctcgaaacca cacgcccttt tgatctatta tagaaactcc caatttgtat aattccagct 120
 gggagtcaat ttttattttc cttagatata cgattccaga cagacgagct tgacgctatt 180
 ggttatcact gcagaaccac actacacaat actgatgaga tggagtgtga ttaatgatga 240
 tggcttcctt gatatgaaag aggagggcgg gatgcagaag caaaagcggg atttctttgg 300
 aaaattggac ttcgagggca tctttgacat ggactacttt tgctcatcac caccaccac 360
 aatggcgaga actcaactag tcccttt 387

<210> 7414

<211> 525

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085b02a1

<400> 7414

aaacaagagg ggtttgctt gtgccgtttg tgtgttttc gggacgaaga agaagatggt 60
 gtcaggttct ggaatctgcg caaagcgggt ggtggtggac gcgcgccacc acatgctggg 120

atgtcatcaa agttcgtgag tctgaatgga tgactgatga agaatttgga agagagatgc 120
 ttgctggtgt taatcctggc atgattcaac gccttcaaga gttccctcca aagagcaagc 180
 tagatcccac agagtttgga gateaaacta gtacaataac caaagaacac ttggagatca 240
 accttggtgg actcaccgta gaacaggcac tgaaaggtaa caaattgttc atattagatc 300
 accatgatgc attcataccg tttatgaatt tgatcaatgg cctgcccact gcaaagtctt 360
 atgccacaag gaccatcctt ttcttgcaag acgatggcac attgaagcca ttagccattg 420
 agttaagttt gccacatcct acgggacatg agtttggagc cgatagtaga gtagtcttgc 480
 cccagccgc agtcaacagc gc 502

<210> 7417
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085b03d1
 <400> 7417

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 ggttttttta agggtcattt ttgttccttt attcaatttt gaattaaaaa acacaaactg 120
 gggccaaacc cggacatccc ccaggggcac aggggacat aaaaaaatta aaggggaaaa 180
 aaccccccaag gggcaccaaa aaaaaaaagg gcccccaacc cccccggaag aaaaagaaac 240
 accccccccc gggggaccac aaacaaaaaa aacacagggg gggggccacc cctctataaa 300
 aaccgaaaaa gaaacccgcc ccacaccccc acctgggaaa aaaaaaaaaa aaaacatgcc 360
 ccccccccc agggggggcc ccaccccccc acaaaaaaaaa gaaccccaa gggggggaga 420
 aaacccccac caccacacgc gccccaggg gggg 454

<210> 7418
 <211> 483
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085b04a1
 <400> 7418

gaaccttgag acatcatgaa gatttcaagt tccaagcaat tggctgtggg atttgcactt 60
 ggaaatgaag gataggcaac gttggagagc tgaagaggat gctttacttc gtgcatatgt 120
 caaacagtat ggtcctaggg aatggaatct cgtgtctcag cgcataaaca cacctcttaa 180
 cagggatgcc aagtcattgt tagaaagggt gaagaactac ctcaaaccg gcattaaaaa 240
 aggatctctt actgaggaag agcagcgtct agtcattcaat cttcaagcaa cgcacgggaa 300
 caagtggaag aaaattgcag cacaagtccc tggtcgcact gcgaagaggt tagnggaagt 360
 ggtgggaagt gttcaaagag aagcagcaaa gggaaaccaa ggggaatagc tgcactattg 420
 acccaattag cgatagcaag tacgagcata tccttgagag ttttgcagag aaactagtga 480
 aag 483

<210> 7419
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085b04d1
 <400> 7419

gtatgaaaag atagggatat taataacat atgtaacaac atttttcaga ataatgacag 60
 gaacaaaact actatgacta taaagttcat atcatataaa ttcaagacat aataagtaaa 120
 agcaaactag atttcccaat tgtgaatggt gtcactctat cttccatttg gttcagttag 180
 ccttgatctg caccctacct gttctagaaa cttagtaagg cgcaagtgtt ttgcagccca 240
 ttgttcagcc aactttctgt ccttgctttc tgcattctct ctcaaccctg ccaactgctc 300
 cctatattct gcttcaattc tatccaatgc agctgtttgc tctctctca gagctttgat 360
 cttcgcttca atttctcca tcttctccct ccttcggccg gcctctcgga ctccaactgc 420
 agctccacc tacttaaccg ccattgcgcc tctttctatg ttctggcaaag catgatgcac 480
 ttcattcact ccttgagcac t 501

<210> 7420
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085b05a1

<400> 7420

ggagtgtctt tgtttccttt cttgcctgt atgatatgag agcttgattc gttgccttca 60
aatcctgcaa ggccagagga agcaatcaac tcaaacgaca ccatgtctgg aactatgtct 120
cctaaagggtt ctttcaagaa gaaagcaatc aatgcctcta acatgctgag gaattctttg 180
accagaaagg gtacgcgaag cagtaaggtc atgtccgttg aaattgatga tgtccacgat 240
gctgacgagt tgaaaatagt tgatgagttc cgtcaagctc ttatttttga cgaacttctt 300
gctgcagaac acgacgagta tcatatgatg cttagattcc tggaggccag gatatttgat 360
attgacaaaa caaagcaaat gtggtctgaa atgctca 397

<210> 7421

<211> 343

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085b06a1

<400> 7421

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ggcccgtatc ggtccttttt gcctcaaaca aatgctttgc gacatctgat gctccaatga 120
cttaaaactt ctagattgca ccaacacctg ctttttttga attaccgct gctcccagtg 180
aaaatgatcg attcgaagtc tctaagaacg atggagtact tacctttcaa agggacaggc 240
tccacgatcc ctttagcaca gaaatctgaa ttgaacatga ataaacctga ttgtacgaag 300
ggttgacatg ctctgctca tccactgtgg ggatttcttg ggg 343

<210> 7422

<211> 377

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085b06d1

<400> 7422

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gtgcgacagc aggggataga gacgacggcg aagcgatagc ctgtcaatgg cacatcgcg 120
agctgaagaa ggtggcgcg tccgcgcgga gtgcggtggt ggaggctcag gagaactcgg 180

<210> 7427
 <211> 429
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220085b09a1

<400> 7427

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cttaattttt ttttgatttt gtttggcgac caaggaatgt atatataaaa ataacaaagg   60
cgcccataac ggtcatatat gccagatata aatttttcac gacatatgat attacaaatg  120
actaaaactt ctagataaca accaacagcc agctgtgtaa tgaattacca cactaccacg   180
cagcttaaaa ttattgcgta ccaataattt caagaacgct tattaacttt cagtttcaaa  240
gggattggca caacaatatc atatgctcat gaatctattc ttaagatgca gaagctgggt   300
tggaagatgg agtgacagga acctgctgag cgcatgtaag gatttcatgg ggcccagcct   360
gttgctgacc aacacctaga cggatcatgat aatactggta atgggaaacg atattgggtca  420
tcgagtcca                                     429

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<210> 7428
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220085b09d1

<400> 7428

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ttgatctata tctagtagat cgagtattat tttatcgatt ctctcccttc tctttctctg   60
tgcgacacca gatgatggag acgacggcga agcgaaacgc tgcggttgcg ccaatcgcg   120
cgttgctgat ggtggtgcta ttcccggcga gtgtggtggt ggaggctcag gagaactcgg   180
acgtgaagac gctggtgaag cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat   240
gtaagggtg gtcaatttac tgttgtgacc tcaactattac tgattatttc cagacctacc   300
agttggagaa tctcttgctc aagcggaact cgccggtggc gcacgccgtg ggattttggg   360
actaccactc gttgatcgcc gctgccgcgc tattcgagcc gcacgggttc ggcaccaccg   420
ggaacaagac gatgctgatg atggagattg cggcggttcct cggacacgtc ggcagcaaga  480
cctc                                     484

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<210> 7429
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085b10a1

<400> 7429

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 gtttttggag ctaatctttt gatcaagaac aagaacgggt gtagcatatt cttctaattct 120
 cttgatgacg tcacctgcat ggatgatgga tatagtttag agttcactac atctcttgat 180
 ggcattacct tttctatata tggagcagcg tttgtttata atagcaccac tgcgatataa 240
 tttgtacttt tactttatat ccttgaaatg atagatttca agagagtaag catcattgga 300
 cacgatacga tattaatgta aaatttagtt ttatatttta tttattgtta ctattagcct 360
 ag 362

<210> 7430
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085b10d1

<400> 7430

ctaggctaag agtaacaata aataaaatat aaaactaaat tttacattaa tatcgtatcg 60
 tgtccaatga tgcttactct cttgaaatct atcatttcaa ggatataaag taaaagtaca 120
 tattatatcg cagtgggtgct attataaaca aacgctgctc catatataga aaaggtaatg 180
 ccatcatgag atgcagtgaa ctctaaacta tatccatcat ccatgcaggt gacgtcatca 240
 agagattaga agaatatgct acaccggttc ttgtacttga tcaagagatt agctccaaaa 300
 actcgggtag ccattttcttt tacagtaaaa catgttcaca gtcttactgc atataatctt 360
 at 362

<210> 7431
 <211> 549
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

POLYMER LETTERS

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cggctgcgga	ggctgcaaga	tgtaccacaga	cttgagctac	actgagtcaa	ccaccaccga	180
gaccttggtc	atgggagtg	cacctgttaa	ggctcaattt	gagggtgctg	aaatgggtgt	240
gcccgctgag	aacgatggct	gcaaatgtgg	accaaactgc	tcttgcaacc	cctgcacttg	300
caagtgaggt	gttgggagag	caagcttcaa	gcagagatag	cccttaatta	ggaataatga	360
taaactatta	atgtgtagct	aaaaacttat	gtattatgtc	tgtgatgggt	ttcgtgcact	420
ctggtgtttt	gtgttaaaca	aacatcctta	gaataaagtg	gtcatgtctt	gcctttcagc	480
aagttcaagt	gttttgact	tgtgatgggt	gtgttaagct	catggntgct	tctttttttt	540
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<223> Clone ID: jC-gmf102220085b11d1

aatattatta gcatggattt aacattaaaa ttaaccgaac tttatacata tgcgaccaat	60
tgcccaacat taagcaagaa taaaaaataa gcaaccagta ggtaaactat cccattacag	120
ggccgaaaca cttgaacctg attaaaggca agacatggcc actttattct aaggatgttt	180
gtttaacaca taacacccga tggcaccaaaa accatgtcag gcgtttttaca taagttgtta	240
gataccgatt aatagatcct tattattcct aatttagggc tttctttggg cgaaacttgg	300
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<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220085b12a1
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[illegible]

<210>	7434	
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<213>	Glycine max	
<223>	unsure at all n locations	
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aagtatgatt	tgctacctga	ggtgtatagc aaataaccgaa atagcatgga tacacatact 180
caacttgcaa	cgaacaatga	agactgacgt attttctttc atttttcaat tgccgaatcc 240
tcttcgaagt	tggtatgtcg	gagacaccag agcagcaa atattttacaa attctctggc 300
aaaatagaag	gaaactgtcc	aagattctga actgctttcc taattaagga attgcttcaa 360
cagatatggt	ccatcagaaa	caagtttagt aattttcctt gtggaaaaca aatctagttg 420
tggttttggg	ggaaaatttg	gtgcacaact tcttcaattc tcttgctaatt tagatgggc 480
cacantagaa	aacccaatc	ttagcttctc catgcttgcg agccantcta gaaaatatg 539

<211> 486
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c01a1

<400> 7435

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aaagaaaata aaattgttca ttgcttggct tttccaatta ggaaagctag ggcctatttg   60
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tcttcataaa ctaaaatgag ttcttcatta gctaatttgt agaaactctc tcatatagct   180
tctctaaaag atgagaggac atctacaaat tagctaata gaaggctattt tagtttatgg   240
agaaactaat tttttttttt tttatttctt tctcctagaa gtgcttttag agaaacttac   300
ccaaacaggt ccgtagtctg agccattgtt gaggtgaatt aagggagtct tttccattgg   360
gcaagaccaa cttccctaaa aaggaacagg taaaatttgc agacgctgtt tagctccatt   420
tgagttcatt cagaatgtac atgctataat tgtgtttcca ttcaagaact tcccgcactg   480
atgtaa                                           486

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<210> 7436
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c01d1

<400> 7436

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atgtcaaggg gtaatgcat gcagctgtgc aaatgatacc ttatagggca aaagagttac   180
gtgagacata tagctaatta ctagccagtt cttgaaccaa caaataaaaag tgaaaaccgt   240
tgtgagacat atcgatgtat ctaggccatt gcattggcat ttttactta ctccaaatta   300
ctctttacat tttcattact aagaagcaca ccttaagtca gcaattgggt ctgtatttgc   360
tacttccata ttttaccctc aatgtgcaag cctctctata cttgctaata acagtaacta   420
tctacgtatg tgttccccat gcgaatgaca gcagaattcc aaaaatcatc acatgcctaa   480
tatacatgca aca                                           493

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<210> 7437
 <211> 557
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c02a1

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 tgtggaaaga ttcgatttta ctgctgggat actgctggac aggagaaatt tgggtggcctc 180
 agagatggat actatatcca tggacaatgt gctattatca tgtttgatgt tactgcccgg 240
 ctaacataca aaaatgttcc cacctggcac cgtgatcttt gcagggctctg tgagaacatc 300
 ccaattgttc tttgcggtaa caaggttgat gtcaagaaca ggcaagttaa ggcaaagcag 360
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 aactttgaaa agccattctt atatttggcc aggaaacttg caggtgatcc taacttgcac 480
 ttcgtagaat ctctgcatt ggctccacca gaagttcaaa ttgatttagc tgcacagcaa 540
 cagcacgagg ctgagct 557

<210> 7438
 <211> 527
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c02d1

<400> 7438

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 gccctctact caaaagattc atcatcatcg tcaggaaggg gctgactagc agctgcaaga 180
 agctcagcct cgtgctgttg ctgtgcagct aaatcaattt gaacttctgg tggagccaat 240
 gcaggagatt ctacgaagtg caagtttaga tcacctgcaa gtttcctggc caaatataag 300
 aatggctttt caaagttgta gttgctotta gctgaaatct catagtactg caaattcttc 360
 ttctgtgga atgtaacctg ctttgcttta acttgctgt tcttgacatc aaccttgta 420

agaaaaccag gacgctatga cgttggggag ggcgaagcac ggaaaaaagt actgcgaccg 360
 agggcgggaa tgtacgggca ggtcaattca ctgcaggggg gggagtatta cagcagaggg 420
 gcagaactac ccccggggga atcaaatgta aaagcggaac tccccaatgg cgcacgcca 480
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<210> 7441
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220085c04a1
 <400> 7441

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 actaaaactt ctagataaca acgaacacaa gctatataat gaattcccac actaccacgc 180
 agttcaaaat tattgcatac caataatttc aagaaccctt attaactttc actttcaaag 240
 ggattggtac aacaatatca tatgctaata aatataatct taagatgaag aagcaggttt 300
 gggagatggg ttgaaaggaa cctgctcagc gcatgtaagg atttcatggg gccagcctg 360
 tgctcgacca acacctagaa ggtcaagata ataactggtga tgggaaacga tattgatcat 420
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 aaatccagga cgccgatcat ccatagtatc attcttgcta ggct 524

<210> 7442
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220085c04d1
 <400> 7442

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 cgttgctgat ggtggtgcta ttctcggcga gtgtggtggt ggtggctcag gataactcg 180
 acgtgaagac gctggtgatg cacatgcgcg ggaagaagta ctgcgacaaa ggacgggaat 240

002220-ETFE50

gtaagggctg gtcaattcac tgctgtaacc tcaactattac tgattatttc ctgacctacc 300
agttcgagaa tctcttctcc aagcggaact tcgcggtggc gcacgccgtt ggattttggg 360
actaccac 368

<210> 7443
<211> 311
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085c05a1

<400> 7443

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gggaatcaat agttccacag atgcactcaa taaaattagc cccctaccag agtcaagga 180
tatctttcgc actgatggcg aacacctgct caagtttgca ccacctcatg tcagcgaagt 240
tagtaaacac tgcattgatg actgatgatt aatcaggaag agagatgctt gatggcggtg 300
atgcatgcct a 311

<210> 7444
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085c05d1

<400> 7444

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aaaaactgac acaacaccct attagatatg aaaaactaga tagcatccaa ttacaaaact 180
taagcataca taagaaaatt atgcacacat aagtttgca gtacatctgc caatgagagg 240
tacgttgga ggaagaaaa ccacacacca cacaccacac actctcatta gatagagatg 300
ctgttgga ttcctctgaa agtaaggtct tccccactgg taggaagaaa cacagtgtaa 360
ggcatctgcg ccggtgcatt acggatccta aagcttgaat tcttgcttcc cctgagata 420
ttgacctcaa tctcctttaa ctagggtcca aactta 456

<210> 7445
 <211> 397
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c06a1

<400> 7445

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 gactactaca ttgagatctg aacgaacagc cgctatttaa cgaactccta cgctgcctcg 180
 cagaggagaa agaacggatt cgaatgatct caagagcgga tatttgcaga cactttgaaa 240
 cggaccgggc catcggtcct ttaaggatac aaaaagggat tttagatgaa caatacccg 300
 tcaggatccg agttgccagg aacgtggctg agaaatgtgg gggtttcttg gggtcggac 360
 taggaacaac catcaccagg aacgtctaga aaatgct 397

<210> 7446
 <211> 317
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c06d1

<400> 7446

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 tacctggggc tatttctgtg cgacaccaga ggatagagcc tacggccaag cgaaatactg 120
 cagatcgctt atcccgcggt agcagaaggt ggcgctattc tgggcgagtg aggtgctggc 180
 ggctctggat aacttggaag tgatgacgct gatgattcac attcgcggtg agactttctg 240
 tgactaagga agggaatgca agggcggggc aataactgc tgttgctca ctataattga 300
 atagttccag acctacc 317

<210> 7447
 <211> 329
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c07a1

<400> 7447

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ggcccgttac gatccttaat acctcaaaca aattcttcat gacatctgat gttacgaatg 120
actagaaatt ataggttagca acgaacagcc atctatttaa tgtaatacca ccctaccagg 180
cggtttaata ttattggata cgaaggctct ctggaacgat tgtttacttt tgctttcaat 240
gggacaggta cctaagtccc ttaaggctcat aaaaatgatt tctacatgaa caaagccctt 300
tggaagaagg ttagaaatga acctgctca 329
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<210> 7448

<211> 339

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085c07d1

<400> 7448

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tgtgcgactc catgtgatag agacgacttg cgaagcgtaa cgctgaaaaa tgtgccaatc 120
cctgcgttgc tgtttggtgt gctaattctct tcaagttggt gtggtggtgg ctcaggataa 180
ctaggacgtg atgacgctgg tgaagcacac tgctcaggaa gaacttctgt gactaaggac 240
ggtaatgtaa gggctggtga atacactgtt gtggcctcac tattactgat tatttgccga 300
cctaccagtt gtggaatctc ttatgaaagc ggtactctt 339
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<210> 7449

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085c08a1

<400> 7449

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cgcccataac ggtcatatat gccagataca aatttttcac gacatatgat attacaaatg 120
actaaaactt ctagataaca acgaacaaaa gctatataat gaattaccac actaccacgc 180
agtttaaaat tattgcatac caataatttc aagaacgctt attaactttc actttcaaag 240
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ggattgggac aacaatatca tatgctcata aatctaactct taagatgaag aaactggttt 300
 ggaagatggg ttgaaaggaa cctgctgagc gcatgtaagg atttcatggg gaccagtctg 360
 ttctcgacca acacctaaaa ggtcaagata atactgggtga tgggaaacga gattgttcat 420
 cgagtccaca tgaccttggt cacaacacc atccccat 458

<210> 7450
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085c08d1
 <400> 7450

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 cgttgttgat ggtggtgcta ttcgcgccga gtgtggtggt ggaggctcag gagaactcgg 180
 acgtgaagac gctggtgaag cacatgcgcg ggaagaagta ctgcgacaaa ggatgggaat 240
 gtaagggctg gtcaatttac tggtgtgacc tctctattac tgattatttc cagacctacc 300
 agttggagaa tctcttggtcc aagcggaact cgccggaggc gcacgccgtg ggattttgag 360
 actaccactc gt 372

<210> 7451
 <211> 349
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085c09a1
 <400> 7451

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 cgcccataac ggtcatatat accagatata aattttttcac gacatatgat attacaaatg 120
 actaaaactt ctagataaca acgaacaaca gctgtataat gaattaccac actaccacgc 180
 agttcaaaat tattgcatac caatgatttc aagaacgctt attaaacttc actttcaaag 240
 ggattggtac aacaatatct tatgctcata aatctaactct taagatgaag aagctggttt 300
 ggaagatggg ctgaaaggaa cctgctgagc gcatgtgagg atttcatgg 349

<210> 7452
 <211> 469
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220085c09d1

<400> 7452

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 cgttgtcgat ggtggtgcta ttctcggcga gtgtggtggt ggaggctcag gagaactcgg 180
 acgtgaagac gctggtgaag cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat 240
 gtaagggctg gtcaatttac tggtgtgacc tcactattac tgattatttc cagacctacc 300
 agttggagaa tctcttgctc aagcgggtact cgccggtggc gcacgccgtg ggattttggg 360
 actaccactc gttgatcgcc gctgacgcgc ttttcgagcc gcaaggggttc ggcaccaccg 420
 ggaacaagac gatgcagatg atggagattg cggcgcttct cggacacgt 469

<210> 7453
 <211> 353
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220085c10a1

<400> 7453

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 ttggtcctcg aggtaacacc cagaagcgga tggagaaaga aactggtgct aaaattgtga 120
 ttcgtggtaa gggatcggtg aaagagggtg ggcttcagca gaagagggat ttgaaacctg 180
 acccttcgga gaatgaagat ttgcatgtgt tagttgaggc agagacaccg gagtcgcttg 240
 aggctgctgc ggggatggtg gagaagctct tgcagcctgt ggatgaggta ttgaatgagc 300
 ataagaggca acagcttaag gagcttgctg cgttgaatgg gacgatcagg gat 353

<210> 7454
 <211> 211
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c10d1

<400> 7454

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 gggccaagga ggaaaccacc gggggggggc acccgaacaa taatggccaa gaaaacccgg 120
 acgcaggggc ccaaaaggac cccaagaatc ccggaggggg acacatgtac cccgactacg 180
 ggaagcgctc gaggcgaggg ggggaaacaa a 211

<210> 7455

<211> 469

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085c11a1

<400> 7455

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 atttcttctt cactggcca atcaactggac gccacggggc aggcaaagat ccgttgggtg 120
 caaaagaatt acatgattta caattattgc actgatatca gacgtttccc tcaaggcctt 180
 cctccagaat gctccattgc atgagaatat ttaattcaat gttgcatatc attataaaat 240
 gatectcatg aacgtgacac acatgtgttg cctattacgt taatttactt tcttgtgtaa 300
 attaatgcaa ctaaaactgt tattattggt ggtttgtgct ttgttgagca ctactccatt 360
 gtttgtggcg aaagataatt atagcgtgca aaattatatt catggcagtg tatatgtgct 420
 gaaattgtaa agtattttca ttaataaaat tgttggagtt ttattattc 469

<210> 7456

<211> 432

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085c11d1

<400> 7456

gaataataaa actccaacaa ttttattaat gaaaatactt tacaatttca gcacatatac 60
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 gctcaacaaa gcacaaacca acaataataa cagtttttagt tgcattaatt tacacaagaa 180

agtaaattaa cgtaataggc aacacatgtg tgtcacgttc atgaggatca ttttataatg 240
 atatgcaaca ttgaattaaa tattctcatg caatggagca ttctggagga aggccttgag 300
 ggaaacgtct gatatcagtg caataattgt aaatcatgta attcttttgc acccaacgga 360
 tctttgcctg ccccggtggcg tccagtgatt ggccagtgga ggaagaagtt tgggaatcga 420
 agtctctgta tg 432

<210> 7457
 <211> 595
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085c12a1

<400> 7457
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 gttagctgcc aagggactca tctgccttt cttccaagc aagcactggg ccagcgtgat 120
 atcaacattc tccagaccg agacagacat tctttcactg aatcctatat gctcaggaac 180
 agaatttgaa agacgaaaca gaaatggata tatggatcca attagcgcca tgacggctac 240
 agtggttccg gtgcaaagtc caagtacacc cagccacaat gttattgaaa gaagagatcc 300
 tagaacctgg ggggcaggtg caagttcaca tattgaagtg gaaggtaaata ggctaaaggg 360
 gcacaacaag gctgggctta aaaaagagct aaagatgtta agggagcttg caaaagctag 420
 cttctctggg gacacaaggg ttgatgaagc cagtaccagc tacactntag gggaacaaca 480
 acattcatca ggtgaaatct atttgggtat ccaaagcgaa gtattactga cactaatgca 540
 taanggccat acatcaccac atcctactng ggaagatttg gaaaatgcta atact 595

<210> 7458
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085c12d1

<400> 7458
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 aacaaggggg gggcccttta aaaaagaagt aaaaaaaga tagggggcca aaaaccccaa 120

aaaaaacctt ccaaaaaaag ggggggaaaa aaaacgggga aacgagaagg aaacgggatt 180
 tccaaaaaat ccccaaaggg agggggggga agttggggccc ctaaggcaat ggggtgaaaa 240
 aaccccgctct tgggaacaac ccaaa 265

<210> 7459
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220085d01a1
 <400> 7459

gccaatgtt cttggtagg cgcctatgt gtttcagcaa gaattattgg atttcatgca 60
 aatttgtttg gacacaagac aaaattcttt ttgctttggg aggacattga agacatccaa 120
 atcattcttc ctacattttc atcgatgggc agtccgataa ttgtcataac tctttggcca 180
 ggaagaggtg tggatgcaag gcatggtgca aaaactcaag atgaagaagg cagactgaaa 240
 ttccggttcc agtcctttgt gtctttcaat gttgcaaaca ggactatcat ggctctctgg 300
 aaggccagat ccttgagtcc cgagcaaaaag gtccagttag 340

<210> 7460
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220085d01d1
 <400> 7460

gagatataaa cttgatgaag taaccaggcc caaaattgt ttacaacaat caaaacttct 60
 cttacaatga ccgagttaac attttgtcaa ctataccttg gaagcaaaga caacagtagc 120
 catgccacat gatactggac cttcgttaat cgttaagaaa ataccgagtt aacaaacca 180
 aatctggact gctagtagca actgttgatg caatctgagt atcttctgtg attttatagc 240
 cattgaaaga aaagtaaaat ctaccacagt cagatccaga ggtcacgctt agattacatc 300
 actagcaggc ttgctccact gatatttagc acaatcacat ggaccttact cagagaccac 360
 atattccagt ccagctgaa gaatgggat aatatttgtt ctgaaagaac ttccctaatt 420
 gaacgagatc atattcagta tgttgattca ttctttattt agacaaaaac tccttctcaa 480

ccagactgaa tgtcagc

497

<210> 7461
 <211> 469
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220085d02a1

 <400> 7461

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 ggtaaccctg tttacaagca cttttaagat aaattaatga gaggaaaaat aagacggact 120
 tcttcataaa ctaaaatgag atcttcatta gctaataatgt agaaaactctc tcatatagct 180
 tctctaagag atgagaggac gtctacaaat tagctaata atggctattg tagactatgg 240
 agaaacgtaa cagtcttttg gttatttctt gatgctagaa gtgcttttag agaaaacttac 300
 ccagacaggt ccgtagtctg agccattgat gaggtgaatt aaggagtgca ctttcattgg 360
 gcaagaccaa cttgcgtaga gaggaacagg ttaaattgtgc agacgctggg tagctccatc 420
 ggagttcatt cagaaggtag atgctataat ggcgggtcca ttcaagaac 469

<210> 7462
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220085d02d1

 <400> 7462

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 cgcgcccca gaaagtggac caaagaaaat tgtcaagagg atacggcatg cacataccca 180
 aatgatacct gataggggca aatggtgacg cgagacaaat atctaataatg atgccagagc 240
 ctgagccaga aaagtaaagt gtaccccggt gagagacata gggcaggctt taagcccatg 300
 actagcaagt ttgcaccaac gacaaataac acattaccat 340

<210> 7463
 <211> 563

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085d03a1
 <400> 7463

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 cttttgcttg catgctcttc ggctattcat gcctttgaca tcacacaact gctaggccaa 180
 tatccagagt tttccacatt caacaaatac ctaacggaaa ccaagctcgc agacgaaatc 240
 aacagccgca acaccatcac tgtcctcgcc gttgaagact cagccatgaa ttccattgct 300
 gccaaagtccc cagaagccat taaggccatc attagcacc atgtcatcct tgacttcttt 360
 gatgagaaga agctcatgga agctcaagct aatagccaac agttgacaac cctattccag 420
 gcctcaggca ttgcagtga ccaacaaggc ttcctcaagg ttgcactcgt cggcgaaggc 480
 gagatncgcc ttcgctcggc cggagtggcg cccagtcga cgccaccgag ctcatgagga 540
 ccgcaccagc gagccctaca aca 563

<210> 7464
 <211> 540
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085d03d1
 <400> 7464

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 agcaacggga gcattggctc cttgtgagga ttgtgcacca gatgatgagg ctggggtttg 180
 tgaatcaaca cctgggacta ggatggggtt ggtgacttgg agaattggaga tgttgtaggg 240
 ctcgctggtg acggtectca tgagctcggg ggcgtcgact ggggcgccac tcacggccga 300
 gccgaaggcg atctcgctt cgccgacgag tgcaaccttg aggaagcctt gttggttcac 360
 tgcaatgcct gaggcctgga atagggttgt caactgttgg ctattagctt gagcttccat 420
 gagcttcttc tcatcaaaga agtcaaggat gacatgggtg ctaatgatgg ccttaatggc 480

ttctgngac tcggcagcaa tggaattcat ggctgagtct tcaacggcga ggacagtgat 540

<210> 7465
 <211> 381
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085d04a1

<400> 7465

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 agtcgtagg gtgccttggt accgaacacg ctatacattg gacgtgatag agcgaaaatg 120
 actgaacact atctatgcgg caatggctga agctgttttt ttaatgactg aagtactatg 180
 tactgtaata aatgcggact ccaatccttt aaagagactt tagcaaatta agcttttagac 240
 tgtacaggaa ctacgagtc atgcggtgct taatatatta tcatgaggac acaacacggt 300
 tggagcaaca agcgtgagga acctgctcga aacttttaat gacactatgg tgacccctat 360
 gcatgtgatc gacatgtaca t 381

<210> 7466
 <211> 378
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085d04d1

<400> 7466

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 tctgcgacac cagatgatgg agacgacggc gaagcgaaac gctgtcgttg cgccaatcgc 120
 ggcgttggtg atggtggtgc tattctcggc gagtgtggtg gtggaggctc atgagaactc 180
 ggacgtgaag acgctggtga agcacatgcg cggaagaag ttctgcgaca caggatggga 240
 atgtaagggc tggatcaattt actgttgtaa cctcactatt actgattatt tcttgaccta 300
 ccagttcgag aattttcttct ccaagcggaa ctcgccggtg gcgcacgccg tgggattttg 360
 ggactaccac atcgttca 378

<210> 7467
 <211> 335

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085d05a1

<400> 7467

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cccgtagagg cccttttttac cacatacaaa tgcttcacga catatggatg ctccattgac 120
tacgaccttt agatatgcac caccaaactg cgataaacgt attcatacag ttcctctcag 180
agcagaaaagg acgtctacca attactctaa gaacggctat tttcgttcac ggtgaaacgg 240
actgggtcag cgataactta tgcacacaaa acggatttta agataaagaa acccgtttgg 300
acaaaggggtt gaaaggctcg tgctcggaaa atgag 335

<210> 7468
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220085d05d1

<400> 7468

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gatgectcaa cttatgtcgn ngcggccggc cctcttgatt tattattctt tgttgatcgt 120
agtaattatt ttcattcgat aactataacg tactcttttt ctgtgcaaca ccagatgata 180
gaaacgacag gcgaagtcca aactgctgta agaagcgcca atcgcggcga tgcagaaggt 240
ggcgctattc tcggcgagtg cggtgttggc ggctcaggag aactcggacg tgatgacgct 300
ggtgaatcac atgctcggga agaagttctg tgacaaagga tgggaatgta agggctggtc 360
gataaacatg cgtgccgtca ctattactga ttatgccccg acctaccagt tggagaatca 420
tctgtcgagg cggaactctc cggcggcgca cgccgctgga tttcgggact accactcggt 480
gatcgcc 487

<210> 7469
<211> 452
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085d08a1

<400> 7469

cttaattggt ttttgatttt gtttggcgtg caaggaatgt atatataaaa ataacaaggg 60
 cggccggttac ggtcatatat accagatata aagttttcac gacatatgat attacaaatg 120
 acataaaaact tctagatagc aacgaacaac agctatataa tgaattacca cactacttcg 180
 cagttcaaaa tgattgcata ccaataattt cgagaaccct tattaacttt aactttttaa 240
 gggattggta cgacgatacc atatgcgcac catttctaate ttaagatgaa gaatcacggt 300
 tgaaagatgg gtcgacagga acctgcttag caaatgtaag gatttcatgg ggaccagact 360
 gtgttcgacc aacacctaga aggtcaagat atttctgggt gtgggaaacg atattggtaa 420
 tcaagtacaa atgaccttgg ccacagacac ca 452

<210> 7470

<211> 312

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085d08d1

<400> 7470

tttatctttt tctattattc agtagataat tttatcgatt ctatcccttc tctttctctg 60
 tgcgacacca gatgatggag acgacggcga agcgaaactc tgatgttgcg ccaatcgcg 120
 cggttggtgat ggtggtgctt tttccggcga gtgtggttgc ggttgctttt gagaactcgg 180
 acgttatgac gctggtgaag cacatgcacg ggaagaagta ctgcgacaaa ggatgggaat 240
 gtaagggctg gtcaattcac tggttgaacc tctctattac tgattatttc cagacctacc 300
 agttggagaa tc 312

<210> 7471

<211> 429

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085d09a1

<400> 7471

gaagcagaag ggttcctcac tctcttcac tgattgaaca aaatgtacac ctcgaggaag 60

aaaattcaca aggataagga tgccgagccc actgaatttg aggagacagt tggacagtac 120
 ttgttcgact tggagaacac caatcaggat ctgaaaagtg acttgaaaga tctctacata 180
 aaccaagcta ttcaaagga tgtggctggt aatcgcaagg ctgtagtcac ctatgtgcct 240
 ttcagattga ggaaggcatt ccgcaagatt catcttcgac ttgtcagaga gttggagaag 300
 aagtttagtg ggaaggatgt tgtcttgatt gccacaagga ggatcgtgag accgccaag 360
 aaaggctctg ctgttcagcg accccaagc cgcactatga ccgctgtcca tgatgccatg 420
 ctggaggat 429

<210> 7472
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085d09d1
 <400> 7472

aaacaaaaaa agcccggggt caattttttt cctaaagga accccttcta aacccattt 60
 tttccccca gaaaacccc ccccttggg ggctttaagg gcccagggg gaaaaaccct 120
 aaaataaaat tcccaaaggc aaaatttttg gttttggtca caaaaaatat ggttttccaa 180
 caaaaaaatt tgccaaaaaa acaattcttc tttaaaccac gcccagctt tccgggcttc 240
 ggagatggga tccccaaaaa cccattttt tccaaaaagc ttctgtaac cccccaaaaa 300
 gggccccccc tctgccccg ggggtggggc ctccctggg ccccaaaaac cctctttttt 360
 tt 362

<210> 7473
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085d10a1
 <400> 7473

ggagtgtctt tgtttcctt cttgccctgt atgatatgag tgcttgattc gttgtcttca 60
 aatcctgcaa ggccagagga agcaatcaac tcaaagcaca ccatgtctgg aactatgtct 120
 cctaaaggtt ctttcaagaa gaaagcaatc aatgcctcta acatgctgag gaattctttg 180

accagaaagg gtaggcgaag cagtaaggtc atgtccgttg aaattgagga tgtccacgat 240
 gctgaggagt tgaaaatagt tgatgagttc cgtcaagctc ttattttgga cgaacttctt 300
 cctgcaaaac acgatgatta tcatatgatg cttagattcc tgaaggccag gaaatttgat 360
 attgagaaaa caaagcanat gtggtctgaa atgctcaa at ggaggaagga gtttggtgc 419

<210> 7474
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085d10d1
 <400> 7474

gtactagata ttgatttatt ctgtacggac ataataatag gacaggcttt gcataatgtg 60
 cagagcgcca tagccctata tatactatac atagagagta agtcctatcc taatagagac 120
 caaaattctg atcagcataa tttatatatt ttgagcatta tgcttatatt ctggacgttt 180
 tgaatattta ctagtctgca tattgaacat ttttgtaaga gggcatttgg gaagtctcct 240
 gaaaggcaga aactaaaatc taattccccg ttaatgtctg gacctcttgt tagggcatcc 300
 acggatttgc tctttaaaag aagaaaaatc tcttgttctt cttcgtattc tttttgtcaa 360
 gataagccga aagctcttct tgcttaacaa gtgaagcctc cagagccttc ttggtagcca 420
 aaagttgggt ctccaagtca tctgctcgag ttataagtgc attcagcat 469

<210> 7475
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085d11d1
 <400> 7475

gattaatatc aaatctcaac ctcaatcatt atttaatggg gaagtaaaat gcgagaacaa 60
 atctatctat ttgctatatg cctatcccat caatattgca aacaatttaa actacttatt 120
 ctactotta tcccccaact ccatcccaa agatagggac tgggaaacaa tccttaaatt 180
 tgcaaaactt atcacacatt gtcagtgtt acatattggt cacatatatg atgctgcata 240
 tcataccttc aggcgttatc aatatattaa ctgatatact aagacttaac ctcaatgaat 300

gcatgttggg aatcgacccc tacatttccc aaaaggcttt ctgaaatctg aagcccaatc 360
acgtgaagga tggcatcaat ccatt 385

<210> 7476
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085d12d1

<400> 7476

gattaatatc aaatctcaac ctcaatcatt atttaatggg taagtaaaat gcgagaacaa 60
atctatctat ttgctatatg catatcccat caatattgca aacaatttaa actacttatt 120
ctcactctta tccccaaact caatcccaaa agagagggac tggtaaacaa tccttaaatt 180
tccaaaactc atcacacatt gttagggatt acatattggt tacatatatg atgctgcata 240
tcataccttc aggggttatt aatatattaa tctatatact aagactaaac ttcagtaaatt 300
gcatgtttgg tatcgacccc tacatttcca aaaaggctat aagaaatctg aagcaaaatc 360
acgtgaagga tggcatcaat ccattcacag tttcatctag ggaaacgatg cttggtgagt 420
ccaataaagt aggcttcctt atccagtatt gctgaaacct ctgccttgca tactccttat 480
agtcaaaatc 490

<210> 7477
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085f01a1

<400> 7477

cgaagaaggt attgacgtcg atgatgaaaa tgaaattggt gaaaacatta ctgcttctcc 60
tttgtgtgaa actcttctgt tatgcagtga ttggtgctcc tcaaacttgt cctgctaaca 120
atgaggataa atgcgggcgat tcagatgaat ggaaagggga gtttttccct gacattccca 180
aaattaaata tgaggggtccg tcaagtaaga atgtgctttc atttaaattg tataatgcag 240
aggaggaaat tcttggaag aagatgaagg attggttaag atttactgtt gcattttggc 300
atacattccg tggaacaggt gctgacctat ttggtgcacc taccaaatac tggctatggg 360

aagatggtac caattcatta aacatggctc atagacgaat gagagctaac tctgagttca ' 420
 taagcaaaact ccgtgttgac tttaggtggt tccacgacag ggatatagcc cctgat 476

<210> 7478
 <211> 529
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085f01d1

<400> 7478

gaaactaaaa ttaattaact caagcatgct caaagccagg gaagctatgc atcacgtagt 60
 tttatacata agctaacatg cacttcacca ggcttcgtat ccacctagca gataacagct 120
 tcacacttat attttcccaa ggaaaacgaa gcaggcataa gtcaatctta atttcctttt 180
 attagtaaac ctaattatac cgaattgttc ctaatataat agacgaaaaa tagccaccac 240
 acacggctag attctacttt ctacagaaca gattggagga tcatctcggc tagctcctgt 300
 ttgcgagaag caacctttgg ttctcccat tcttgacct tcttctcaag cagttcaaag 360
 tcagccttac cagcctctat ttgagcccca atttcagtgt caaaactctg ataacgctta 420
 cgaacaagct cagcaagaga accatcctca atcaactgg cagcattcct caggccacgg 480
 gccagggat ccattccaac aatgtgggct atgaacaagt cttcaacat 529

<210> 7479
 <211> 544
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085f02a1

<400> 7479

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 gaaccacatt ctgactctca ctctcatacc catgatgatc gccatcttca tggagattct 120
 acgcttaggc cctgaagaga tctgaacct ctggcactcc ctccacttgg accttgtcca 180
 aatcctctgc tccgccttcc tcatcatctt catcgccacc gtctacttca tgtccaaacc 240
 ccgcaccatc tacctcgtcg actacgcctg cttcaagcca cccgtcacct gccgcgtccc 300
 cttcgcaacc ttcattggaac actccaggct catccttaaa gacaacccta agagcgtcga 360

gttcacaaatg cgtattctcg aacgttccgg tctcggtgaa gaaacatgtc tccccccagc 420
aatccactac atccctccca agcccacccat ggaggccgcc cgaggagaag ccgaacttgt 480
tatcttctcc gccatggatt ctttgttcaa caaaacaggt ctcaagccta aggacataga 540
tatt 544

<210> 7480
<211> 440
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220085f02d1
<400> 7480

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caaatacaaa cttgaaaaaa aaaccgggtt ttccttacgt acatgtggcc caaattcatg 120
aataaacccc gacccctcc cagttgggga acgatttctg ggctaattca caagaggccc 180
atgtaattgt tttgaaataa accgaaaaaa aaattttttt ttaaaagggg gatttgattt 240
atgataaaaa accccatttg actgacaaat gagagaaatt tgggggacgg cttcggggag 300
caaataaaga agggttatga gaacccatct attttttttt ttcataaaaa aagcaattat 360
ctttttgggtt ttgaacaatt ctccatccta gagcttaacg atcccaggaa tatcgaccgg 420
gtaacgaaca atgcaatcag 440

<210> 7481
<211> 150
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220085f04a1
<400> 7481

cttttcatgt ggtaatttga cattttatca atatgatcat tattattgcc atttgtgtat 60
ttaacattca ttaattgtaa tggaataaaa tatcactctt ggctgaggtt gcaattattt 120
agatctatct gtttattaat aagtcatttt 150

<210> 7482
<211> 150

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085f04d1

<400> 7482

aaaatgactt attaataaac agatagatct aaataattgc aacctcagcc aagagtgata 60
 tttatttcca ttacaattaa tgaatgttaa atacacaaat ggcaataata atgatcatat 120
 tgataaaatg tcaaattacc acatgaaaag 150

<210> 7483
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085f05a1

<400> 7483

gcgacgccgc tcctaaccct aacgcgacta ccaaaccctc cgtctacctc caagacacgg 60
 aggagctgaa gcgagtcttc agccgcttcg acgctaattg cgacggcaag atctccgtca 120
 ccgagttgga caacgtectc cgctccctcg gatccggcgt cccgccggag gatatccagc 180
 gcgtcatgga cgacctcgac accgaccacg acygattcat taacctctcg gagttcgccg 240
 ccttctgccg ctccgacacc gcggatggcg gcgacgccga gctccacgat gctttcaacc 300
 tgtacgatca tgacaagaac ggccatatct ccgccacgga gctctgccag gtgctgaacc 360
 gcctcggaat gaagtgtcc gtccaggaat gccacaacat gatcaaattc gtggattccg 420
 acggcgacgg caacgtcaac tttcccagat tcaagcggat gatgagcaac aatcgtgaaa 480
 atgc 484

<210> 7484
 <211> 402
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085f05d1

<400> 7484

cccccccccg gccttttttt ttttttcaag gggggttggg ccctcccccc cccttttata 60
 aaccaaaaac ccaagcccc caaaggggtt tttttcccc cttggcacc tttccccag 120

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gggggcccc ccccccccta accccgggga aaatgacctt cccccccccc ccgaaacccc 180
cgggttttac ccttgggggg ccccccccg gggggccctt ttttcgggg ggggcccccc 240
cccggaacaa cccccggggg gaaaaatggc ccccttttc ataaccccc cgggggaaac 300
cccttggggc ccccgcccc ccccccccc cggtgtctga ccccccaag gcggcccccc 360
ccccgggggt aaagcacccc cccggggcgg ggggaagggc cc 402

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<210>      7485
<211>      386
<212>      DNA
<213>      Glycine max

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<223> Clone ID: jC-gmf102220085f06a1

<400> 7485

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ggcccgtatc gttcatatct acctcataca aatcttcacg acatatgatt ttccattact 120
aaacttctag atcgcaccaa caccatctat atcatgaatt accacgctgc atctcagtgg 180
aaaatgattc aattcgaata atttcaagaa cgcttattta ctttcacttt caaagggatt 240
gagaccacga tatcgatatgc tcttaaactc ctacttaaca ttcagaaacc tgtttgaaaa 300
atgggttgac atgcacctgc tcagccaatg taaggattta atggggcccg agtctggtgc 360
aaccaacacc tccaccgtta atataa 386

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<210>      7486
<211>      402
<212>      DNA
<213>      Glycine max

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<223> Clone ID: jC-gmf102220085f06d1

<400> 7486

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tgcgacagca gatgatggac acgacggcga agcgagacgc tgtaaagcg ccaatcgcg 120
cgacgacgat ggaggtgcta taccgcgga gtgcggtggt ggcggctcag gagaactcgg 180
acgtgaagac gctggtgaag cacatgcgcg ggaagactta ctgtgacaaa ggatgggaat 240
gtaagggtcg gtcgatacac tgttgtgccg tctatttac tgattattac cagacctacc 300

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agttggagaa tcactttctcc aagcggaact cgccggcggc gcacggccgt ggattttgtg 360
actaccactc gttgatcgcc ggtgtctagc ttttcttgcc gc 402

<210> 7487
<211> 408
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085f07a1

<400> 7487

cttaattctt ttttgatttt gtttggcagc caaggtgcgt atatataaaa agaacaaggg 60
cgcccgtaac ggtcatatat gccagatata atttcttcac tgacatatga tgttaciaag 120
gactaaaact tctagagagc aaccaacacc agctgtatta tgaattacca cactgccact 180
cagttgaaaa ttattgcata cgaatgattt aaagaacgct tataaacttt cactttcaaa 240
gggactggga ccacgatcac gtatgctcat caatctatac tctagatgaa gaaacctgtt 300
tgtaagatgg gttgacatga acctgctgag cccatgtaag gatttcatgg ggcccggctt 360
gtgatcgacc aacacctgca cagtcaagat aatgctgggtg gcgggaaa 408

<210> 7488
<211> 448
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085f07d1

<400> 7488

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tgcgacggca gatgatggag acgacggcga agcgaaacgc tgacgttgcg cacaatcgcg 120
gcgactgcga tgggtgtgct attctccgag agtgcggtgg tggcggtctt ggagaactcg 180
gacgtgaaga cgctggtgaa gcacatgcac gggaagacgt actgtgacac acgatgggaa 240
tgcaagggtt ggtcaatata ctgtcgtgcc ctactatta ctgattattt ccagacctac 300
cagttggaga atctcttata caagcggaac tcgccggctg cgacgcccgt ttgattttgg 360
gactaccact cgttgatcgc cgctgtcgcg cttttctagc cgcaaggatt cgggtaccacc 420
tggaacaaga cgatgcagat gatggaga 448

<210> 7489
<211> 427
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f08a1

<400> 7489

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cggccgtaac ggtcatgtaa acgagaaaca attttttcac tgacatatga tgtttcaatg 120
actaaaactt ctagagagca acgaacaaca gctatgtcat gaattaccac actgctactc 180
agttcaaaat tattggatac caatgattta aagaacgatt ataaacttta actttaaaag 240
ggactgagac cacaataacg tgtgctcatc atgctctact taagatgaag aaaccggttt 300
gtaagatggg ttgacatgaa catgctgagc aaatgtaagg attatatggg ggccagtctg 360
gatcaaccaa cacctgcacc gtcaagataa tgctggtgac ggtaaacgat atgggtcatc 420
aattcca 427

<210> 7490
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085f08d1

<400> 7490

ttgatctata tcttttagat cgagtatgat tttctcgata ctctccctac tgtttctctg 60
tgcgacacca gatgatggag acgacggcga agcgaaacgc tgtaaaatgc gccaatcgcg 120
gcgctgacga tggaggcgct attcgcgcg cgtgcggtgg tggaggctca ggagaactcg 180
gacgtgaaga cgctggtgaa gcacatgcac gggaagacgt actgcgacaa acgatgggaa 240
tgtaagggct ggtcaataca ctgttgtgac ctactatta ctgattatta ccagacctac 300
cagctggaga atctc 315

<210> 7491
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085f09a1

<400> 7491

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 gggcccgtaa cggatcatata aaccagatac aatgtcttca ctgacatatg atattacaaa 120
 tgactaaaac ttctagagaa caacgaacaa cagctatatt atgaattacc aactactac 180
 tcagattaaa atgatccgca tacgaatgat ttagagaacg cttataaact ttcactttaa 240
 aagggactga gaccacgata acgtgtgctc atcaagctat acttttagatg aagaaacctg 300
 tttggaagaa gggttgacat gaacctgctg agcacatgta aggatttcat ggtggccggt 360
 ctgtgatcga ccaacacctg caccgtcaag ataatactgg t 401

<210> 7492

<211> 394

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085f09d1

<400> 7492

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 tgcgacagca gatgatggag acgacggcga agcgaaacgc tgtaagttgc gccaatcgcg 120
 gcgtctgcga tggaggtgct attctcgccg agtgcggtgg tggcggtca ggataactcg 180
 gacgtgaaga cgctggtgaa gcacatgcac gggaagacgt actgtgacaa aggatgggaa 240
 tgcaagggct ggtcaattca ctggtgtgac ctactatta ctgattattt ccagacctac 300
 cagttggaga atctcttctc caagcggaac tcgccggcgg cgcacgccgt tagatttttg 360
 gactaccact cgttgatagc cgctgccgcg cttt 394

<210> 7493

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085f10a1

<400> 7493

cataaatctc ttttgaacaa aactgtcgct cattatgcat cctgacaaaa tgctgaagca 60

atacatttgg tgtggtgtga aagagaacaa ccatccgaga ggcttaaaac atatctgaat 120
aatattgcgg ttttgaagcc acaaacagct catataccaa aatttacatt ttacactcgt 180
gcatatggtg agccaaacag catgtttaag cgaatccaga acctcttgac atatgcaatg 240
ttttgagacg acgatgatgt ggggtgctoca tgctctactc tagat 285

<210> 7494
<211> 438
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220085f10d1
<400> 7494

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taggcaacgc cagatgatgg agacgactgc taatcgacac gctgacgttg tgccaatcgc 120
ggatatgctg aatctatgtg ctatgcgcgc cgagtagagg ccaacgtgtg caagcacagc 180
caggacatct ggacgctgcc aaggaacgac ttgagaaggc atgtgctgaa gccaggggtg 240
acttgtacgg tctgacagat gctactgagg caccactgta tgactaacgc gctgctgacc 300
tatgagctgc tgcataatgt ctagaccgag atatggaaaa ttgcgcacgc catcggactg 360
catcactatc cagagaatgt cgacggtgac gagcatctga cactgtctgg ggacgacccg 420
actcttaatc ctacgata 438

<210> 7495
<211> 543
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220085g01a1
<400> 7495

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aatgcctata tcttagagct caaaatttgt tgggactttg tgtctttgag gttcctttga 120
ttaatttcaa ttactacga gtgaagtagt tctggttagta tgaaatttca ccttatgccg 180
aaggagaggg tagtttcctt tcgtttgagg ctacagtgcac gtttggattt gccttggtat 240
ttgtttgaaa atagcttatc accaaaatgg tgttaagcaa aacttatttt ggatcaatgc 300

tttacctaga tgaatggcac aattttcggg gacgagggaa acatactgag gaggatagta 240
cagggcgtga atttcatgag atatgaggag atcgtcgagc tctgccagca tatagagggc 300
aggcattgac cacaacggaa agaggtctga ggtattatat aaaagctgga ccactccagg 360
gtttaggtga tatggccgaa gattaagagt cgatggggagg ctgtagcgcc ctgggaatct 420
catatgacat ttcaatgggg gaaaggtgat 450

<210> 7498
<211> 455
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g02d1

<400> 7498

agtaaactca gcacgaagtt gcacacctaa atgaaaataa ttgtttctac ataggtggtg 60
ggttacaaca taaaaattct ttcacaaaaa aagaatagaa aatttcataa aaatataaaa 120
taagcaacgc tatttgtacc aaaaaaaaca tatcatccaa gttgcgctcc tccaagtaag 180
agattcttgc cgaaccacc agattgtaac ctctgaacct gatctgaatt ttgcataaca 240
agctgtgatc ataattttat tccatacccc agaaaaggga gaataaaaat tcaatgcccc 300
attaagagat gtgagatcta ataaattgac aagatgttga taattaatta atagtctctc 360
aaaagggtgg aaaagagaga aactttgatt gatgaacatc aatcttttca aaaatccaaa 420
tcaaccatga gtgttaaaag cttcccacaa caaat 455

<210> 7499
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g03a1

<400> 7499

atagacacaa agatatacac atatagggag aggctgaagg aggggcatca gatccctact 60
ttgtataaat ggggttgtct ttctaaacaa ccccatcaca tcattaagag ggggggatcg 120
atccttgatt tgtgaatttg cttgcattag caagatcata tatattcatt catatacaca 180
attacatc aagatcacat tttttttggt gttcttgatc tcataaacia catggagggt 240

cagaacaaga agtacatctc atctgaggag ctgaaggagc acaacaagtc aggggatttg 300
 tggatttcaa tccaagggaa ggtttacaat gtttcagatt gggcaaagga ccaccctggg 360
 ggagagggttc ccttggtgaa ccttgccaggc caggatgtga ctgatgcatt catagcatac 420
 catccaggct cagcatggaa gtatcttgat cccttcttca cagggtacca cctgagggat 480
 ttcaaggtc 489

<210> 7500
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085g03d1
 <400> 7500

acacaacata tataatttta ttatagaggc tctgctctgt attcaaacct cactcatcaa 60
 ttacacagct caaacaatac aatgataata aataatggta ggaataaagt atatggtaaa 120
 tgatgaatca ataatacaat aagaaactta tggtagcaac cataaacata gtactacatg 180
 tgaatttaaa tgtcacgggt tcttctacat tcaagtggaa gctgagggta gcggtctctg 240
 tcagtgcact agtctgagat ggtgtatttc ctgcgcaccc acctgagcca tctccgttga 300
 gaagcatcaa gatcatgaaa ctgtgcttga tcccaccacc tct 343

<210> 7501
 <211> 550
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085g04a1
 <400> 7501

gcaaaattta ccgtgcgaga gagttggatt catgcgctgg gaactactac caaatcatga 60
 gtgtgcctaa ttctcctgt aatatccatg aaaaggagga gcaaggagac gatgagaagg 120
 gcaagcttgt atcattagga caaatgaata gtttaagtgt gaaagaggat agtagaacat 180
 caaagaacat tagttctgaa ggtgaaagaa gaacaccaga aatcatggga agatgtgcat 240
 cctggtgggc aaccttcaca ttttttgtgt gtgtgtgttc attaaaattc agcaaaccac 300
 ttctccaacc acaaggaccc aattcactat ggcttgccat attaggaatg ttcagtttta 360

ctgtgtttgt atctgctgct tctgatatgg ttgatgggtga agcacagctc actcgtatgc 420
 agataactgt tatgctcagt gccttcttgg ctctgctggt agcttaatta gacagatttc 480
 atatgtgtac ttatgtttcc tttagccatg gcgggaaaag atcgtgtaat ctttttattt 540
 acataatttc 550

<210> 7502
 <211> 403
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085g04d1

<400> 7502

cccagaaaat ggtccggcca ttggaacggg ggttggacct tccccaacct tggtttattg 60
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 gggaacctat aggccccttt ggaaaccggc ttattaagcc taccaccaa cccaaaaggg 180
 cctgggcctt accggtattt ggcttccaag ggaaccgggt ttaaccacca cccttaccgg 240
 agccggcggt tccaaccccg gtaaactgga cttttcttat ttgggcaggc cttagggatt 300
 ggggccctgg ggggtggagaa atgggttggg tgatttttat ggaccccaac cccccaaaaa 360
 tggggagggt ggccaccag gaggccatt tccaaggat tct 403

<210> 7503
 <211> 449
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085g05a1

<400> 7503

cgtgtatgta tgtagtccat actctggact ctctcttctt ctctttgctt ctcttctttc 60
 tctctcacgc aacaatggct catctcttca gagacctctc attggggccac tccaagagag 120
 actccacgcc gccgccgccg ataatgcctc ccaagccctc cgccgtcatc gccgccgacg 180
 acctccctc tccgctcggc cagctcgccg cctccctctc cgattccgac ctgcattaa 240
 ccgcctacga gatcttcgtc gccgcgtgcc gcacctctc cggcaagcct ctcaattccg 300
 ctgccaacca ctctccacc aattcgcca gtcagaactc gcctaactcg cccgcgctcc 360

agcgatccat caccttcacc ggcgccagca aggtcaagaa ggccttcggc ctgaaatccc 420
cagggttctgc ctccagaaag agccctggc 449

<210> 7504
<211> 522
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g05d1

<400> 7504

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aatctcaggt tacaatcaac gccagccttt tcattcatac taagaaataa ttgcagaaac 120
tctcaatcaa caaataggct attatacact gcctgcattt catactagta aaaggggcaa 180
cccaatccaa aggaatttaa caaaagaata atgagaacat agatgccatt ttcatactat 240
atatagagag agggaaactct cagaaggtaa aaggaaaaat taagttaaac acagaataaa 300
ccaccgtgag atatctctaa tcttccaata attaatgaat cagaaagaat attcaactac 360
cttcgcaaat aagtcagcca taatcatggc caagatttat gctgcctcac ttcggacttg 420
gagaacatgc cggtagcact aagcctctga ccaatattcc caatgtctta caggacggcc 480
acatcctgac gtaaattcttg ctcaacaatt cacataaatt ac 522

<210> 7505
<211> 458
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g06a1

<400> 7505

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cttgagagag agccttactg gccatcagag aagcttaaga tttccatcac cgggtgctggg 120
ggttttatcg catcacacat agctcggcgc ctcaagacag aggggcatta cgttattgct 180
tcggattgga agaaaaatga gcacatgact gagaacatgt tctgtgatga attccatctt 240
gttgatctca gggatcatgga taactgcctc aagggttaca aggggggttg tcatgttttc 300
aatcttgctg cagacatggg tgggatgggt tttattcagt ctaaccactc tgtcattatg 360

tacaacaaca caatgattag cttcaacatg attgaggctg ccaggattaa cggcattaag 420
aggttttttt atgcctctag tgcttgatc taccctga 458

<210> 7506
<211> 476
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220085g06d1

<400> 7506

agaacttcta gtgcagtaaa ccatcttaag caccacgaag tgccttaaaa aactattaaa 60
atacatcaag gcttccgttc cagacatgaa ctaccagcag agacataaga aatccttagc 120
agctaattaa acataaccag ataccgctat ttagttgcta tatataatat aatccaactc 180
ttcacttgaa acattaaggt gaatcctact acagccatat gttgaccacc tcattctttg 240
ccatctgcag ctggaagtga gcctagttga actggggcctt gagtctgcac cactttggaa 300
gacccataca cagatatatc aataccttga gccttctcct tctcgatctg ctccttaatc 360
cagaagtatg tgattctcaa cccatccttc aacctcatag ttggagccca accaagtttt 420
tcttttatca gtgtattgtc tgaattacga cctcgaacac cctcagggcc aggaat 476

<210> 7507
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220085g07a1

<400> 7507

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ggcttcacta gcctcttctg cattctgtgc ctttccacgg aggccagtgg atgttccatt 120
cggcagaaac tacgttccca cttgggcttt tgatcacatc aaatacttca atggaggttc 180
tgagattcaa cttcatcttg acaagtacac tggtagtggc ttccagtcca aagggtcata 240
cttgtttggg cacttcagca tgaacataaa gatgggttcct ggcgattcag ctggcacagt 300
cactgctttt tatttatctt ctcaaaatgc ggagcacgat gagatagatt ttgagttctt 360

ggggaacaga acaggacaac cttacatttt gcaaacaat gtgttcaccg gaggcaaggg 420
tgacagagag caaagaatct ttctctggtt tgatccaaca naagcatacc acagatac 478

<210> 7508
<211> 507
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g07d1

<400> 7508

acacaacata tataatttta ttatagaggc tctgctctgt attcaaacct cactcatcaa 60
ttacacagct caaacaatac aatgataata aataatggta ggaataaagt atatggtaaa 120
tgatgaatca ataatacaat aagaaactta tggtagcaac cataaacata gtactacatg 180
tgaatttaaa tgtcacggtt tcttctacat tcagggtggaa gctgagggta ggggcttctg 240
tcagtgcagt agttgtagat ggtgtatttc ctgcgcaccc acctgagcca tctccattga 300
gaagcatcaa gatcatgata ctgtgcttga tcccaccacc tcttgcttg tgtagcacag 360
aactttgcat tcaactgaagc ttcacaccca tcaacgtgga accctttgta ttctgctatg 420
aaggggtgctt tggaccaatc tgttttctcc aaccaccct tgtggcccag tcatcagcat 480
tccacaagct gttgtacacc ttcattgg 507

<210> 7509
<211> 413
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g08a1

<400> 7509

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cgcccataac ggtcataaat gccacatata attttttcac gacatatgat attacaaatg 120
actaaaactt ctagataaca acgaacaaaa gctgtgtaat gaattgacca cactaccag 180
catttttaaaa ttattgcgta ccaataagct caagaaccct tattaacttt cagtttaaaa 240
gggattggta caacaatata gtatgctcat gaatctaata ttaagatgaa gaagctggtt 300
tggaagatgg gctgaaagga acctgctgag cgcattgtgag gatttcatgg ggaccaggct 360

gttttcgacc atcacctaga aggtgacgat gatactgggtg acgggaatcg ata

413

<210> 7510

<211> 467

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085g08d1

<400> 7510

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gcgacaccag atgacggaga cgacggcgaa gcgaaacgct gtcggtgcgc caatcgcggc 120

gttgctgatg gtggtgctat tctcggcgag tgtggtgggtg gaggctcagg agaactcgga 180

cgtgaagacg ctggtgaagc tcatgcacgg gaagaagtac tgcgaccaag gatgggaatg 240

taagggctgg tcaatatact gccagtgccg cactatcact gatcatctcc agacctacca 300

gctggagaat ctcttgcca agcggaaactc gccggaggcg cacgccgtgg gacattggga 360

ctaccactcg tggatcgccg ctgccgcgct tttagagccg catgggttct gctccaccgg 420

gaacaagacg atgcggatga tggagattgc ggcgttgctc ggacacg 467

<210> 7511

<211> 522

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220085g09a1

<400> 7511

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ctacctatgc ggttatggct tcagctgttc ttctaagac tgtagtagta tctcctgtca 180

tcaatgcggt ctacagacca agaaaaagat tcgagcagaa taagctaaag actatacaaa 240

aactaagagt cgatgcggag cttcgaattc tagcatgtgt ccacaatact cggcaagcca 300

caagcatgat cagcataatt gaaactttta atgccactag acttaccct atacatgttt 360

ttgccatgta cttattgaa cttactggac gtgctgctgc ccttggtgct gcacatatag 420

agaagcctag tagccaaccc ggagaacaaa atctcaccaa atcacaggca gagttagaaa 480

acattgccaa tgcatttgat gcanttggag aggcataatga cg

522

<210> 7512
<211> 409
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g09d1

<400> 7512

gaacaaatgt aactgaaagt cagcgacatt aattttccat tcaatagatt catgttacia 60
attctaattct gaaacaaaaa cctgggtattt tccaaaagtt tattgaattct ttcaataatc 120
tacacgtttg ttccttacca atcccaatgc ttactctgtc ttcacaacaa gtgactcaaa 180
tccatcgtaa ttgggtgccct tttgggtggag attatttcca aaagccattc ctccataccc 240
atattgttga acaactagca aagatgaacg cgaacaaaaa ttgtttgagg ccaaaatatc 300
ccctataact ccaagttcta agcattcaca ccattctagc aaatttgaga agactttaga 360
gctcctacaa ttccttctgtc ccactacgta caaatcacaa ccattttttt 409

<210> 7513
<211> 375
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220085g10d1

<400> 7513

gaaaggagga ttcgctgaga aattaacttt tgaaatcaca cgggttacia cgtacaaata 60
atttgaaaga gtttgacgat ttttgttggg ggaggggggg ttgatatggg cctggcactc 120
acactgcagc ttcatttggg tgctcttctg tgcattggagc taaccttcta ggttatgcta 180
atggcacagc ccgaggaatg gctccagggt caaggattgc agcctacaaa gcgtgttggg 240
ttgggtggtt cttcagctca catattgtgt cagctattga ttaagctgcg gctgatggac 300
cgaatgtgct ttccatctct ctgggtgggt gagactcctc ttattacaca gattgtttat 360
cagtgtcagc atttg 375

<210> 7514
<211> 522

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085g11a1

<400> 7514

tctctcatat caatattata ctaaacttaa ttagttacca ctctcaaatt cattaacttt 60
 tattttaaaat acttaaaaac ttcttctctg agaaccggag gaataatccc gggtcgaaat 120
 ctactagagc gttatcgctc cttttttttt ttgacacaaa ggtatgtata tataaaaata 180
 acaaagtcgc ccataacgtt cataaattgc catataccaa cacttcactg acattttgat 240
 atatacaaat gaataaaaact tttagataac acctaacaaa aactttatta tgaacttaca 300
 ctcttctca catttttaaaa aaaatgtaaa ccaactatct caagaacca taaaactat 360
 cacttcaca gggattggta caacaaactc atatgcta ataatcta ctaagataaa 420
 aaaactgaat ttggaagatg atcttaaagg aacctgctta acccatgcaa ggatttcatg 480
 aggcccagac cgttctccac caaacctag aaggtaaaca aa 522

<210> 7515
 <211> 313
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085g11d1

<400> 7515

ggagggtgaa gctctctcgg atttgagatc ttttcaaagg aagggccacc tagtgacaaa 60
 cccatatttt taccattcct gtatgaaacc tcatacattg atgaaaacca tctctaccct 120
 ttagatgacc ctactagcga tggctacatc ttcatgttta ccaacagctg tttcctgata 180
 ctgaacccta gcaccaacag agtggtacgg acctacggcg tgctctacgg tgatttcagg 240
 aactaccagg ctttcgtaat ggcttcata ctgcctatta aactgggtgg gactgagcta 300
 agttgagcct tca 313

<210> 7516
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085g12a1

<400> 7516

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 actgctgaag cgtcttctgc tgggtgcattg ccttgagtgt gagagttact tgcagccacc 180
 aagaagttgg gtcaagctgc agctggaatc aaaggagttg ctgacatttt gcttgaagaa 240
 attgcagaag aatttgaatt cgaataaagt gaggttggtg catgccgagt ttatttggac 300
 tgagcccat tccagaaggg taaaagtcaa ggtcaagggt cagaaggagg ttctgaatgg 360
 agcaatactt gaacagtctt atcctgtaga gtatgttcaa caagagcata tgtgtgaatc 420
 ctgttctagg gtccaggcta atcctgacca gtgggttgct tctgtgcaac tcaggcaaca 480
 cgtttctcac aggcgcactt tcttttattt ggagcagctg attcttgaac atggtgctg 539

<210> 7517

<211> 409

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085g12d1

<400> 7517

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 tcttatcagg ctttcaataa acaaaccatt agagattgca aaattacaca acataaatgg 120
 gaggggggag cctttgacat gaacaaaaaa ccaaaattcc ttaaaatact aatcaagata 180
 gaagaagctt ttgttcattc cgacatgtta tctcttgat ctctgtgctc actcaaata 240
 agatcagcca gcaactctc caatggaaca gaagagtcac caccatcaga aggcttggac 300
 tctttatttc ggtacaaaga tatgttgaac ctcatctcag ggatttcttc cagatcttga 360
 atgaattggt catattctga gaccatttta tcttgatcaa ctattccct 409

<210> 7518

<211> 493

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220085h02a1

<400> 7518

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 attgactcca ccaactggtgg ttttgaagct ggtatttcta aggatggaca gactcgtgag 120
 catgctcttc ttgctttcac ccttgggtgtg aagcagatga tctgctgctg taacaagatg 180
 gatgccacta ccccgaaagta ctctaaggct aggtatgatg aaattgtgaa ggaagtctct 240
 tcctacttga agaagggttg ttacaaccca gacaagattc catttgtgcc catctctggt 300
 ttcgaggggtg acaacatgat tgagagggtcc accaaccttg actggtacaa gggaccaact 360
 ctccttgagg ctcttgacca aatcaatgag cccaagaggg cctcagacaa gccactcagg 420
 cttccattgc aggatgtcta caaaattggt ggtattggta ccgtgccagt gggacgtgtt 480
 gagactggtg tcg 493

<210> 7519
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h02d1
 <400> 7519

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 gactaaaacc ctatagctgc ttgtgaaatt cgaaatatct cagactcttc ttaccatcaa 120
 aacaaaaaac agtactcatc aaaaacaaac agcaatgaaa attgaccacc gccgatcaag 180
 aacctagttt tgaaagttac ggctacatga aatcggcaga aacttaaaaa tataacttaa 240
 acaaaacacc taagactctg caaggataaa actactataa aggagtaacc acgatgatga 300
 tcacatgtgc tagcaaaatt gcccaaagtc aatcacttct tcttggcagc ggccttggtg 360
 accttggtc cggtggggtc tttcttctca acactcttga tgactccgac agccacagtt 420
 tgacgcatgt ccctcacagc aaaac 445

<210> 7520
 <211> 503
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h03a1
 <400> 7520

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 gtgtgcctaa ttctctctgt aatatccatg aaaaggagga gcaaggagac gatgagaagg 120
 gcaagcttgt atcattagga caaatgaata gtttaagtgt gaaagaggat agtagaacat 180
 caaagaacat tagttctgaa ggtgaaagaa gaacaccaga aatcatggga agatgtgcat 240
 cctggtgggc aaccttcaca ttttttgtgt gtttgtgttc attaaaattc agcaaaccac 300
 ttctccaacc acaaggaccc aattcactat ggcttgccat attaggaatg ttcagtttta 360
 ctgtgtttgt atctgctgct tctgttatgg ttgttgttga agcacagttc actcgtatgc 420
 agataactgt tatgctcagt gccttcttgg ctctgctgtt agcttaatta gacagttttc 480
 atatgtgtac ttatgtttcc ttt 503

<210> 7521
 <211> 373
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h03d1
 <400> 7521

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 gtttggcaat ggaatttttg taattaaaag aattccacca cctttttccg cctgggttaa 120
 gggaacctta ggtccccctt ggaaaccggc ttatttaacc taccagcaaa cccaaaaggg 180
 ccctggcctt accagtattt tgcttccaag ggaccggggc ttaaccacca cccttaccag 240
 aggcggcggt tccaaccccg gtaaaccgga cctttcttat ttgggcaggc cttagggaat 300
 ggggcccttg gggtgaaaaa aggggttggc tgatttttat ggaccccaac cccccaaaaa 360
 tggggagggt ggc 373

<210> 7522
 <211> 572
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h04a1
 <400> 7522

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ttctctcttt ctttttcttc aataataatt ttagtcacaa tattagtatt taaggagcta 120
 aatagcaatg gctgcaataa ccacaaaaga acaacaagta gtagtaaact atatgagtga 180
 agagttgcaa acgatttttc tgtccaactt ggatgaggca cccgctagac ggcgtgctcg 240
 tgaggctttt aaggatatcc aacttgccat tgatcattgc ttgtttcggt tatcatcaga 300
 tgggggtgaag acgaaagagg tttatgaagt gaactccaga ggattaaaaa tattctctaa 360
 aagttggctt ccagaaagtt ctcatgtgaa agcaatcatt tgttactgtc atgggttatgc 420
 agatacttgc acattttact ttgaaggagt tgcaaggaag ttagcatcat ctggatatgg 480
 agtatttgca ttggattacc ctggatttgg cctttctgat ggtcttcatg ggtatattcc 540
 tagctttgaa agctagtga tgaatgcatc ga 572

<210> 7523
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h04d1
 <400> 7523

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 aactgaaatt aatgcctact tttgtggcga accaatatac caacaagggtg cttaatattt 180
 gttttttctg ctgctatgct catcaagcca agatataata tcaccaagca cgtgaaatat 240
 agtttcatca gggtcacctt caagtagagt atggaaagca tccttataga ggcagagttt 300
 cttgtccttc actttagctt tctcatatac agccttacta ggtgatggat cagtaattat 360
 atcagcctct ccatgcatga tcaacaatgg cagagaaact tcttccaaac gctgttctag 420
 ctctgtgtg gctttcaaca gctccaatgc agttcccagt cttggtttat cctttagtag 480
 taacacgtta ta 492

<210> 7524
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h05d1

<400> 7524

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 gcaacaacaa ccattttgtt aatgcagtaa taataatgca agttaagtta ccttaaatta 120
 ttattttgtg gtctttatat ttttggttca aagatgaata tttattcgga gagggggttat 180
 ataatttggc tgggtgtata ggaattataa ttatatagag agtagtgga gagggaggctg 240
 aggcagaaaag gatcgcgtaa gaaaggtttc gagtcaagaa cgaaccgcga tggaggaact 300
 tgtttgcatg cagtttttct gctcatagtg gttcgggtat tgactcgttc acctgcgagt 360
 tagtctctgt gctcttggtt ggataacatt agaaaaaaca tcacatgtgc ctgtgtttct 420
 actcaaatta ttactaatgc ccattctatc atacac 456

<210> 7525

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220085h06a1

<400> 7525

gtcatgtacc caatacagca ccgcaagtac agagatggga ttgacaatct gttggttctc 60
 ttgattggag gaattccaat tgccatgcc actgttctgt ctgtcactat ggctattggt 120
 tcgcacaggc tttcgcagca aggcgtatt acgaaacgta tgacagctat tgaggaaatg 180
 gcaggaatgg atgtcctctg cagtgacaaa actggaactc tgaccctgaa taagctcagt 240
 gttgataaaa acctgattga ggtttttgcc aagggtgttg agaaggacta tgttatectt 300
 cttgcagcaa gggcttctag gactgagaat caggatgcta tagatgctgc aatagttggg 360
 atgcttgctg atccaaagga ggcacgagct ggtatcaggg aggtccactt tcttccattc 420
 aatcctgtgg acaagaggac tgctctaact tacattgatt ctgatg 466

<210> 7526

<211> 511

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220085h06d1

<400> 7526


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aaaagtaaat cctatcaacc acgttatttg gtatggaata gaagagtaaa ccattcagat   60
tttgactgac aaaaggacct tcatacctaata ctaaagacgg attaaacttag gtcttcatta  120
catttggtgt tcttggttctt ggataagcac caaagtgtgt tctgcttgaa ggttggtccaa  180
attccttaaa ctgtataatg ctggtggatt gtatcaatgt caagtccctt cagcttcact  240
actgattcaa catgtccttt cagagtatga agctccctga gccttgcaac ctcggcacgt  300
ctcttagctt gtcagcaat ctctgaaagc tcctgtaac tggtcttgctc attgaaaagg  360
ttgggtgttt caggtggctg aagaccatga agagtcctct gagcagttgc ccactgtgct  420
tctctctctt ctttgccata gtctttcttt gtagtgaagg cagtcttggc ctccaaaaga  480
ttatcccaag ccttcccact caggacgtag c                                     511

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<210>      7527
<211>      445
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220085h07a1

<400>      7527

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gtgtaagctc tttcttctct tcttggtgat cttgtgcacc gccattgttg acgatggcga   60
gttcatgtcg aagctcgcgga aggcgctaag gccgacatcg tcgggggtgga ctgggagcag  120
cttctgcgac tggaagggcg tgaagtgcaa cgccaaccgc atcaccacaa tcaacatcgc  180
ttcgcaatca ctcggcggaa cgcttccctc ggatctgaac tcactctcca gaacaacgcg  240
ctctccggcg cattgccttc acttgccaac ctctccatgc tcgaaagcgt gttccttagc  300
agcaacaact tcacctccgc ccccgatggt tgcttccagg gactcaccag cttacaaacc  360
ctcagcatga ccgataggat caacctcgct ccatggacga ttcccgtcga gttgaatgat  420
aacaacaacc ttgtcaaact cgaac                                     445

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<210>      7528
<211>      471
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220085h07d1

<400>      7528

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gtgtccatta catatttgat aatttatagt cactcaaaac ggccactatt tgttttaaaa 60
 tccagtagtt cttcaccaaa cttcttcttc ttccttcaat cttcatcttc caaaacagat 120
 ctcaattttt ttttttaaaa ggaaacagat ctctgttcac tcattaacat ttaacaccac 180
 acctcaatgg tacccgaaaa cccgaagccg ttctgattgt tgagccacat atcctgaatc 240
 gcagatctag cgaaggattt gggtaagcca ccggtgaggt tgttgtaaga gagacgaagc 300
 tcctgcaaac tcacgaactt gtcgaatata tcaggcaagg taccgatgag gtttgcgttt 360
 ccaagttcga gtttgacaag gttggttgta tcattcaact cgacgggaat cgtccatgga 420
 gcgaggttga tcctatcggg catgctgagg gtttgtaagc tggtagtcc c 471

<210> 7529
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h08a1
 <400> 7529

tgaatgatca atcatccgag gatattttta gaactgaact taaagcagaa tgtttggtga 60
 caagtttatt aagagagaag ctgtactcta aagagctcca agttgagcag atggaagctg 120
 aacttgctac agcagtaaga ggaaacgaca tacttagatc tgagggtgcaa aatgcgttag 180
 ataacctttc aagtgttaacc cacaagttga aggaccatga acttcagatg ttgaagaaag 240
 atgagagtag aaactgcctt caaatgatc tgcaagagtc taacagggaa ttgacaatca 300
 tgaggggaaa actgccc aaa gtgacagagg agagagatta tatgtgggag caagtgaagc 360
 aatatagcga gcagaatatg ctgttgaatg cagagggtcaa tgtattgaag aagaagatag 420
 agacacttga agaaaacaac ctcgagaagg aaggtcaa atccatat 468

<210> 7530
 <211> 311
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h08d1
 <400> 7530

gggtgcaatg ggggaaatat gcttctttgt attctcaaac tggtagatc gatcttacac 60

ttcacatagg gcaagaaaaa cgcaggggca tagccaatgg aagaaaagcg ccaattaaaa 120
 aaaaaactca atcacagatg gaggtaaact aagaacactg aaaaaagcct acaaaaaaac 180
 aagctcttaa aacaagattg tactgaaaaa aagatgcgca cgactcccag ggggatcacc 240
 ataggaaactt ttggcccggg aggctcgcaa tagggatatt cgaccttcct tgtcgaggga 300
 gatttcttca a 311

<210> 7531
 <211> 540
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220085h09a1

<400> 7531

tttaciaaatt aaaaaaggat gttatagaaa gattacttga gtgaagaaga actcaatcac 60
 tctgagttgt tgttcataaa gaagactgcg tttgtgatat tttctcctac catgtctggc 120
 tttctttgaa ctttcactcg cagcttctta ttcttgtgat ctaagttcct ctactctcat 180
 tccaagcgtg ggtgtatatc aaggatccgg attccttgtg gtcggaggaa gcacgcatgc 240
 acgcagttag acgattagaa ctgtcataaa gattcaacag ttgatgaatt attttagtaa 300
 attcaactta aaaaacacat ttaaaatact aactgtctga tcaaattaga cagtccacat 360
 tcacgattgt gtgaatgcgt gagtgcaggt ggagtgatat aaaatggagg agagaccaga 420
 aacagaactg atatctatac cggcgacacc aaggggtgtca accccggaga tactgacacc 480
 ggngcagagg tcaccaagag cagcatcnaa ggaagggaaa tcatggaccc caacttcttt 540

<210> 7532
 <211> 421
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220085h09d1

<400> 7532

tccttttttt tgtttttttg aaaggaggat tcgctgagaa attaactttt gaaatcacac 60
 gggctacaac gtgcaaataa ttcgaaagag tttgacgatc tttgatgggg gagggcgggg 120

acctggagag ccaggactgc caagagtcaa agtgcaatga ttttgatgac actctaattt 180
 ggtttgggga gattggagtc aatgactatg cctacactct tggatctacc gtctcagatg 240
 aaaccataag gaagcttgca atcagcagtg tctcaggagc tttacagaca ttgcttgaga 300
 aggggtgcaa gtacctagta gtgcaggggt tgcctctaac tgggtgcttg acattgtcca 360
 tgtacctggc tccaccagat gatatggatg acattggaat gtggaaaagg tgtcacaacc 420
 a 421

<210> 7533
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h10a1
 <400> 7533

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 acaacaacaa ccattttggt aatgcagtaa taataatgca agttaagtta ccttaaatta 120
 ttattttgtg gtctttatat ttttggtttc taagatgaat atttattcgg agaggggtta 180
 tataatttgg ctgggtgtat aggaattata attatataga gagtagtgga agaggaggct 240
 gaggcagaaa ggatcgcgta agaaagggtt cgagtcaaga acgaaccgag atggaggaac 300
 ttgtttgcat gcagtttttc tgctcatagt ggttcgggta ttgactcggt cacctgcgag 360
 ttagtctctg tgctcttggt tggataacat tagaaaaaac aacacatgtg cctgtgttac 420
 tacttaaatt attactagt cccatcctat catacacatt tgcaaa 466

<210> 7534
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h10d1
 <400> 7534

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 gttgtttttt ctaatgttat ccaaacaaga gcacagagac taactcgcag gtgaacgagt 120
 caataccgga accactatga gcagaaaaac tgcattgcaa caagttcctc catcgggggt 180

cggtcttgac tcgaaacctt tcttacgga tcctttctgc cttagcctcc tttccacta 240
 ctctctatat aattataatt cctatacacc cagccaaatt atataacccc tttccgaata 300
 aatattcatc ttagaaacca aaaatataaa gaccacaaaa taataattta aggtaactta 360
 acttgcatcatt ttattactgc attaacaaaa tgggtgtgtg tgtcatcatc atgcaactct 420
 gagagaagct ttgatcttct gaatg 445

<210> 7535
 <211> 591
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220085h11a1
 <400> 7535

gaaaaaaga gaagggggaa atctcttctt caatggcggc agagtcattc cgcagtagcg 60
 ctaaacgccc ctttatggaa gaagacgaca atgaattctc caaaaagcca ccagaaaaaa 120
 gggtaggtt tccaaaggga aagaaagtga agccaggaga tgaagtgggtg gtggacaaaag 180
 caaatgttga ggagggtgaa gttgacttgg tgaatgctaa aactgccacc aatgctgcaa 240
 aagagcggga aaaactcaga aggtttctaa agggaaagaa agtgaagcca ggagatgaag 300
 tgggtgggtga caaagcaaat gttgaggagg gtgaagaagt tgacttgatg aatcctaaaa 360
 ttgctgctgc caaagaacgg gcaaaactca gaaatcaaat tacttctgaa ctcttagtg 420
 agggcgctgg aggtatcaca aacgatttat cggctgctga agtgacatat gaggataacg 480
 agaattntgt tgatgatggg attcaaattg agcctttcaa cctagagaaa gaaaggggaag 540
 aagtattctg atgctgcang acnatttggt gatatgtaga gagaatgaga t 591

<210> 7536
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220085h11d1
 <400> 7536

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 ttcaagggat cattctaagt aatttttagg cgaaaagttt aaggagcttt aaaacaggaa 120

ccttaaagag ataaacacac aactgttagc agttgcacct aagaagaaaa tcccccataa 180
 cgtacaaaaa gatcaagagt gcttcagtct gtacatgagc cactgagaca gggattgtgg 240
 ctatgctaaa tagcctattc tccccttaaa ctaggcactc aactcacatt ggatgcaacc 300
 tcgtgaactt cttcatatgc gctagtctcc tcattatatg agtaccattg ccctgatgct 360
 gctgagcaat aaagccctgt atttggatca taataatagc ccaaagtgt gctgtaatag 420
 taccagaag at 432

<210> 7537
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220085h12d1
 <400> 7537

aacacatgaa aatatttga catttatcca ttttgtgatc aattaaaatg cataaagact 60
 atttttttta cataaacgac ttaacaaccc aaactaaaag cctctaaaga aagccacaat 120
 gaaagcattc gtaagcaaag aaagttgaat gcataccgga ggaacatcaa aagcttggac 180
 tccatgatcc acacttaaac tcttttttcg caagagaatc tgcgacctga ttaaattctt 240
 tcagcacatg atcacaagcc caaagatcaa ttccctctgc catgtctaca acctcattgg 300
 ataaatgttg ccacttgttg aagcaaatcc tggccacaat gatactttgc actcatcact 360
 tggacccata acttgccctt ttcaatacac aacttccaac attttttcat taagataagg 420
 aattcagatt cctagcacc cg 442

<210> 7538
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086a01a1
 <400> 7538

aaacagaagc atgcccgcac ctccttatcc cacacctggt gcccttctca tgggagatgc 60
 cttcaacatg cgtcaccctt taaccggagg gggaatgact gtggctttgt ctgacattgt 120

tttgctaagg aaccttctta gacccttgca tgatctgcat gacgctaatag ctctttgcaa 180
 atatcttgaa tcattctaca ccctacgcaa gccagtggca tctacaataa acacattagc 240
 tggggcattg tacaagggtg tttgtgcata ccctgatcca gctagtaagg aaatgcgcca 300
 ggcattgttt gattatttaa gccttggagg tgttttctca gatggaccaa ttgctctact 360
 ctctggctta aatcctcgtc cattaagctt ggttctccac ttctttgccc tggctatata 420
 tgggtgttgg cgttactca taccattccc ttctccaaaa cgaatgtgga ttggagctag 480
 attgattccc gtgcctctgc tatcattntc cccattat 518

<210> 7539
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a01d1
 <400> 7539

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 aataaaaaaa tatgcttttc atcttccggt tctttcattc tatttattta ttggattgaa 120
 tttttctatt tctaaatfff ctttccatct ttaatctgct agctatcatt cacttttctt 180
 atccatccat tcattccaccg aaccctaacc ctaatcctcc atcatcgatt cgattctctt 240
 gctctttggt atttcttctt ttggtgaaca aagcaaaaca attgcatcga tgaatcgggc 300
 gtcacagctt tcgtgataaa gatcttggcg ctgcgaaacg attgcatggg tttggagatt 360
 gtcggagctt catagtggac cgcgacgacg tcgtgctccg attgttcgta aaagctctga 420
 accaccgtct tccgcgggg 439

<210> 7540
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a02a1
 <400> 7540

gcacctaatc tggcctgcat ctcttctgc cagaccggat gccgttatta tgtgagactc 60
 ctaccacacg caggaccctg taaccgttag gtgaaggact agagctcagt ctgacatcgc 120

ctcactatga tcgcatctta gaccattgca tgctctgaac gctgcttatg ctcttggcga 180
 atgtagccac tggttgaaca ctgctactca tgttcagggg cgtctagctt cttacacatt 240
 ggctcaagca gtgaacgttg tgttttgagc atgacgcggt ccttggtgtt atgaagtga 300
 acctggcact tgttgatgac ttttatgccc tatgatgact ttctatactg c 351

<210> 7541
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a02d1

<400> 7541

ctcactgtta gtagcagcaa tggcgaaggg tgaagacgct ttgattcgaa agaagaataa 60
 aaagcttcga aagaagaaca gcagcggctc ttctctgtc tccgccaagg ttgccgccgt 120
 tatcgccgcc aagaagcgcc gcaaggccgg taaacgccgc atgtgccagg ggatgtgctt 180
 tagtctacct actctggatg atcccttcaa tgatcgaggt gggaaagagg aaacaaaaac 240
 aaagggctct aaaaagaaat ccattcaaa accaaaagac aagatggatc atcttaatgg 300
 gaagagtgca gatggaaaga aaggcgcagt tgggtgggagg aaaattgcaa gggaattgaa 360
 tgatttacia agggaaaatg agtctgtcac agccagcaat aatcttactc ataaatgtat 420
 cattaactca gaaaggaaaa atattgatat gactgagatg gctcatcttt gcggtaccaa 480
 acagcgtgat t 491

<210> 7542
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086a03a1

<400> 7542

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 gaacttgaca gtacaatcat aatgcaccag actgaataat tttagtttaa cttttgaatg 120
 cattaatctg gtaattgtca atgtgaggtg aactatatg tgtgtgagaa attttcctga 180
 tctttcatta accctgtctc atccttaggt tagttatcct atgataaaaa gagtaatacc 240

ctgtcatgtt tcttgatgca gtgaaatgcc ctacctctaa ataacatgtg aataatgaat 300
 atattattgc aagaaaaatc aatttttttt gctattaata tgtttacctg tacttgcaag 360
 cactggtaga aaaacaacta ataatgacta tttttctccc atcccactgt gaagcagatt 420
 gctttgtctt tctatacat tattccttat ttgtgtgtgt gtacacatgt gcacttgcatt 480
 gatcttgcac taccncatc acgtggtagt ggtttaattc ttctatttta gcattc 536

<210> 7543
 <211> 311
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a03d1

<400> 7543

aaaaacataa aaagaatttt caatcagatc aatgaacgaa ttccatcatc agactaacat 60
 catcatttac aagcggtttg gcaataatta acaggtgctc atccgagcaa attaacagca 120
 gtgtttatct taagaaaaat gtctcgatc taagagagcg agcatgacga gggaagcgat 180
 ggcggaagca gcaccaaaga gtcccatgtt gacgcgggaa gcattgctga tgggacctgg 240
 tgccaaagca taaggtgact gtgcaatgct atcaccggcg ccgctgagg cggttgctgc 300
 tagggcaccg t 311

<210> 7544
 <211> 319
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a04a1

<400> 7544

agaacattaa aatggaatta aacagaataa aaggaaacag aattcgacat taaggттаат 60
 gggctacgac aagaccttct ctactgaccg agactgttga cttgacattc aagttaagca 120
 tgcattgggtt tggacatcag caatttggtt ggcgaatata ccgaatatgc gcaagttaac 180
 agatacctaa ctgaaaccat gctatcggac caaatcaaca gccataacgc cgttacagta 240
 cttgcccttg acgacgccag aatggcttac ctctacggta tgcgcacga cgcggttaag 300
 gccatactta gcacccatg 319

<210> 7545
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a04d1

<400> 7545

aacccaaaat caactaatct agataagcac taactgatac cgagttaaag acagccttgg 60
 cagatactaa tacaaatata aatacaacat attcctttga actcatcata catgatgtgc 120
 agaggacaca agttctagca aaacaggtaa aaactgattc cctcacttat agttacatta 180
 gcagatgcat taaagtcata aggacaagca aatcccaaat attagtatta ttcttgggtg 240
 aaccattcac cccaccctct ccttttttcc caacaaaaaa ttaaacggag gttgggtgaa 300
 atttccttgc aaaaacatac tagaaataac ttatacatg gcctcagtga ggtgaacacc 360
 atcccaattg atgtactgag aagggcttga gcacac 396

<210> 7546
 <211> 470
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a05a1

<400> 7546

agattaccaa aaattacgac caaggaaacg cagattctgt tgatgaggaa atacaagctc 60
 tattgaaaaa gttaaatttt ataccaacat cggttttcac aacggacttg ccttacgtgg 120
 attttctgga tcgtgtacat aaggcagagc tgaagcttag atccaagggt ttatgggatg 180
 tacctcatcc gtggctcaac ctttttggtc caaaatcaag gataggggac ttcgacaagg 240
 gtgtgttcaa gggcattctt ggaaataaga caagtggacc taccctcata taccctatga 300
 aaaaaaaca gtgggaccag cgaagctcgg tggtagacacc agaagaggat gtgttttacc 360
 tggtagcatt tctaagatcg gcattggata ctgagacgct ggagtacctg actaatcaga 420
 taccgtcaaa ttcttgaaat ctggcatgat atagagatca aggtaaaaca 470

<210> 7547
 <211> 397

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086a05d1

<400> 7547

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ggggaaaaaa agatattttt tttgaaaaac gaaaccccc aaccaaacgg ggggggctca   60
tgtgcacttg cgcattgccc ttttctctct ccaaagcggg cccaccact ccttatattc  120
tttgggccta aaccttattg gggttccttac ttaatttgct acaagacccc attccataac  180
aaaaatccaa ctccatcatc aattttatta ccctcagata acaacacctt aacaactttt  240
gatccttcac tagggcccta caactacatc cttttaattt tttttttgcc atgaccccc  300
ttgtgtttcc taaacacaat aatacagcac ttgcttctta acatgaaccc aagattattt  360
atcccttttg cgtgtttgtt ctacatattg aggggga                               397

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<210> 7548
<211> 315
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086a06a1

<400> 7548

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cagcaciaag cgggttactg tctgatcaag ctaccatctc tctctctctt tcttagtgcc   60
ttcttgccag aaggtaaaat ggccaagac acttgccctat taacctctgg atcagtgaac  120
gaggggcacc ctgacaagct ctgagaccag atctgcgatg ctgcgctcaa tgcattgctt  180
gagcaggacc ctgacagcaa gggtgcctgt gaaacctgca ccaagaccaa catgggtgat  240
gctttcggag agatcacaat caacgccaac gtggactatg agaagatcga gcgtgacaca  300
tgcaggaaca ttgga                               315

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<210> 7549
<211> 453
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086a06d1

<400> 7549

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gagagaacat ttttttttgt ttcattcatat aaaatatata tgttctgaaa gaacacatac   60

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aagtacacaa aaaaaagggg gaaattcata aaaaaataca gaaaaaaaaa aacagaattg 120
 agtaagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagtagt 180
 agtgcaaaag tcccttgcca agagtgttg aacccctttt agttaagcag gtaccttctc 240
 ccccttgagt ggcttcacca cttcccatgt gaagtcaggg tcattctctgc caaagtgtcc 300
 atatgcagca gtcttcaaga acctgccatt tccacccctc ttgagatcaa ggttgatgga 360
 gatcatgcca ggctgaagt caaaactctc cttcacaatg ctgaggattt ccttgtcagg 420
 gatcttccca gtgccataag tgtcaacaaa cac 453

<210> 7550
 <211> 323
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a07a1
 <400> 7550

cacaagtcac attttttggc ttttaaaaca gagagagaga gagagagaga gagagattac 60
 aaagatcaga atcagacagg ctagcttagc tccatgtctg actcactctt aactttctat 120
 tctctttcag ccattcttgc tcttctgcca atcttcatct tcattctcat caaaagaaag 180
 caaagcaaac ccaggctcaa ccttccccca ggtaacatgg gttggccatt tcttggggaa 240
 accattggct atacgaagcc ttattctggc cccacagtag ggaattcat ggagcaacac 300
 atagcaaggc atgggacagt tta 323

<210> 7551
 <211> 496
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a07d1
 <400> 7551

cggaaatatt ttgtattgt atggaatgcc attggagcta ggaacttcaa attcttcacg 60
 tagtttgatt tagatcaagg tgtgactctg ttattggcta ggcttggagt tattacatat 120
 ttggggtgaa cttactaact aatttttctc aaagcaaaga gtgggcttgg actctaattg 180
 gtaggccttt ggggaagtcg aaaaagggt aggcaaaagc ttgatccgta tcagccaatt 240

cccaatggta gttgagaatg agatggtgaa tgaaaacagc catttcaagc ttagctaact 300
 ctgatcctgc acataatcgt ggtcctcctc cgaacggaag aaagttgttg tttgctgtgt 360
 tcttgcttga acaacttcca ccacgactac cattgttctt tatagctaac atctttcaca 420
 gccttcctgt ggagaaacct cacaacattt cccaacctaa gtgtctcggt cacaacacaa 480
 tgagtaaaat ccattc 496

<210> 7552
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a08a1
 <400> 7552

cctcccagaa aaaggcttaa aaaaaaaagg gggggtgtca aaatcaaaaa tggccgattt 60
 tgatacgagg ggccccaatc ccgaaacctt aaaaaaaaaa aaaaagggggg cccggggggg 120
 ttaaccccc caccaaaagg ccaaaacctt ggaacttggg gaaggggaga acaaaccccc 180
 ttcatttagg ggggggggga gaaaaaaaaa aaacccgggg gcgcaaaacc cccccacggc 240
 caaagccgag ggtttttacc accccaaaaa aggggaagcg aatttcccaa aaaggggggt 300
 attttgaag aacctggttc ccccaaacc tatctttaaa agaccggg 348

<210> 7553
 <211> 500
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a08d1
 <400> 7553

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 ctaattttct atgcatcaga tattaggaat atacaactag aatatttcag aggatggata 120
 caaaaatatt caagaaagcc ttcattttgc aaccatagca gtgactatag taaaatgcat 180
 ctgtggaagt acggaaatca aacaagtcct agaaacaggt gtaaaagcac catctggcca 240
 ggaaaactcc ctaaaaaac cttctccaaa tcatgatcat caatgtggta tcattctttt 300
 tcattcatct gaatcactat tgaagttaat atcttcagtt ttctccgtat cctgctcctt 360

tgtctcatcg cctgcttcag aaaactcttc atcttctttg atatatggct caaccaattt 420
 ccagaaccaa gttgaattgc ttcccagaat accaatccaa aaaacccttc ctttcctctt 480
 gactttgcaa tccatggaca 500

<210> 7554
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a09a1
 <400> 7554

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 aaccatgagc cgattcaggc gttttgagct catagaacaa ccacctttct tccactcctg 120
 ctactctttc ctttccttcg tctccaaga ctactctct ctcgacctcg acctcttgcc 180
 atttcccagc cacttcgacg ctttcgcaga tctggtgcac gcgccgtcgt tcgcttaccg 240
 gcgcgtggag aggcattctc agaatgagtt gcgtttgcag agcctctctg accgtgtggc 300
 ggagctggag tcgcggttcg accgtgtgct cggcggagat cggaagtaca cgtggacagc 360
 ggagatcaag ggagcggaga agaacgggtt cgataggaag tacaagtggg ttgcggaggt 420
 cgctgaggag gaagataaga agaagaagaa gaataagaag aagcaggtga aggtgctg 478

<210> 7555
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a09d1
 <400> 7555

ggggaaaaaa aatttattta tttattatta ttcttaaacc gggggggaaa attattggga 60
 aaaataaagg gccccctttt ttttttttcc ccgcccgaag gggttaaccc ccttaacttt 120
 aaaccccgac aaacaaaccc cctggtccca agaaatttgg ggaatagggc ccaacaaatt 180
 ttgtttttta ggtcgggggc aaagggcggt ttaccggtaa cttggcccc aggcctttaa 240
 aattaaccgc aaaataaggg caaggggttac ttttcccggg ccccctgggt gggttcaaag 300
 gccacaaaag gctttaaggg caaaaaaac aacggtgggg ggccaacaaa tattccgggg 360

ggacc

365

<210> 7556
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a10a1
 <400> 7556

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 ctgtgtcgct ttcgcttttag ccaatttcaa cggttgagtt tttcaggcat taattcatta 120
 gtttcataat tagggcattc aacaagtgtg cgtatggtgg tggttgctag aagattttta 180
 tgaacctacc tattcggttg tttgaatata attctagggtg ttccttactt tcagtcaatt 240
 tggatttgga tcaattaatt gcgttgcgct ggatttggtg actttgattt tgggattacg 300
 aataatagcg ccatcgcatc cattgcacgt aggttggttg ttttaaagga cgagagattt 360
 taagtgtcaa gtttataaga taggaaaatt gagtctcagt tgagggtttt tggatcaagt 420
 tgtttaatac catatatcat tttgtttatt agttggaagc gtattttgcg ggtagctgca 480
 gaaagtttat 490

<210> 7557
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086a10d1
 <400> 7557

aggaaataaa aattgccttc aatataataa agagggttcc cttttttaat accagagatt 60
 agaacataag aaagggatgg ggataattag gggtgccgga tacaaattaa tagatgacac 120
 ttcaacttat gtaagatgat ttgagcccca aattttggat taagagtgag cacagggact 180
 ggagcatgtg cataggtggg agaaagctca aatgaaaagc gttgttagag taatgacaaa 240
 accaactttg cttttaataa agcaaaattt tgggctaagc acactttagg accccattca 300
 aatgggaaaa acacaacttg gccttttggt gcctttgcta ctccttcagc aaaacttttt 360
 gg 362

<210> 7558
 <211> 494
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a11a1

<400> 7558

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 caaccatctc cacccaaaac gacttcggtt tcctctcttc ctcagcccaa atcttctctc 120
 tttcaatccc ttcctcaacc caaatcctgt cctttttctt ctctatttca atctcttgct 180
 ccacccaaac aaccttccag cgaaagcgct tcaactccca accctaacc taaccctaac 240
 cctaaacccc aaatcgaaga accacggccc aaacgcgtcg tgcaattcag gcccccaatc 300
 atccctctcc caaaccttac ccaactcgac gatgacgacg acgacgaaga agaagagcga 360
 aacagaagaa agaacaagtt agagtcctcc acgcaaact catcggtcaa atccttctc 420
 gccagcattc cggtccaag gaacaccgcc actctcggcg ttcaagcaag ttccggttca 480
 ggccggagat ccat 494

<210> 7559
 <211> 383
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086a11d1

<400> 7559

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 ttggttggtt ttttaagagaa aaaaaaattt ttggcaagaa aggggactta taagttataa 120
 gcttaaaaaa ggggggggga attgttattt ccgcccccg gaagcaactt ggttggggct 180
 ccatggtctt tccggggcca taaattttt tagaaatcaa aaaatttggc ggttacaaaa 240
 aaagaaaaaa accctggcca agtttgaaat ggtccattg gtgccaaaaa gaaaggggtg 300
 gaccctttt ttttttcta tgggggggga aaacaatgga agaataagcc attaaggttg 360
 gcttggtcac aaactccatt ttt 383

<210> 7560
<211> 492
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086a12a1

<400> 7560

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cacccatggc cttcctctgt gtctctcagg gatgattcac cctcttgctc tctctcacga 120
tgtgtgtagg atagcggatc acgaccgtag gagacgcacc atgaggaagc aaaggcaaag 180
atcactcacc agagaggggtg tagtgcatga tgcgggtcga gaaattcact ttgtggaggt 240
caaagggtgag accgatttgc atgatctctc ccacactcat cacctgggggt tgtcagcaag 300
agctgcttaa aatttagctg cttctccaaa attgattaat ctgctagct cctaccactt 360
tggtatgcac tttatttaat ttcactgtga tggactcttt cgttattata tatatcatgt 420
taattaatta ctagttgtct cctttgttct gtactcaatt cttattttct gtaaccacat 480
atgtggaact tt 492

<210> 7561
<211> 481
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086a12d1

<400> 7561

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atcagtctat gttatatgca tactgaagac agagatgaag tgggtgatac aaaaaggcat 120
aaatcataaa tatgaaaagc ttattgaatg attacaaatc agctcctcag acaatggagt 180
ggctatgtgt gactgcattg aaattaggta atcgatttcc tgtttatagt tttattaatt 240
taggtaggct aaaaaagaga ttataacact caagatgctg gtttgtctcg gacctaag 300
ctttggtgaa gctagcatcg aaaggaacgc cagcagcagg caaccaagtg ctagcttgga 360
gccaaggctc agcagtgaat tgtgcagcct cctgcttgct aatgagacct ttgcaaact 420
tggtctctgc ttgagcaacg gaacctggtc cagtgttgcc aaactcaagc gagtagcaat 480
c 481

<210> 7562
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086b01a1

<400> 7562

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 cggcggaag gtccggtgat ctcatcgccg ttaactcaat tttggcttca aatcctttgg 120
 ccgttaattc cagagataag cattccagaa caccgtatcc tgctcatttc ctcaattctt 180
 ttcttctctt attaattaat tcaattttat tttttatgta aactcaacgc aatagaaacc 240
 ctaacaatta aattctttca attagtcggt gttgtgtgtc tagataacaa aacacagtag 300
 ctggaattga aaattacggt ttgctgggtt ttataatgat atgattcatt gcagcatctg 360
 tgtctttcgc tctttttgat ctgtgcattg catattctac ctatcttggt tgaaccattc 420
 attttatgaa atcactacat cataatcacc cctattagag aaggcttacg tgttccttag 480
 cacagaga 488

<210> 7563
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086b01d1

<400> 7563

gtttagggtt cgaacctcag aaacctcgca tctccaaaaa ttttaaattc atagaagaaa 60
 atgggagacg cagaagagga gaacgcttgc atagctgaag tatttgattt caaggagaag 120
 aagaaaaaga acaagaagaa gacggcgaag aagagagtaa catttgctga gaacgaagca 180
 aattctccaa cggtagtaaa caatgatggc aatgaagata gtgctgctgc tgccagcggc 240
 gttaggattt ctctgttcga tttctcggtc gagaatttct tccgagacat ggacaccatt 300
 gccagactct gcgggaaaga aaacggtgct gctttggacc agagcgaggt tcagagattg 360
 tcttcctcag tcactttctt aagagaatgg agagatttta aatatccctc aagaagcatt 420
 aagtttgctt atggacttga gagctctgat tgttctgagg ggagaaa 467

<210> 7564
<211> 479
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086b02a1

<400> 7564

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ttcgtcaaga ccctcaccgg caagaccatc acccttgagg tggaaagctc tgacaccatc 120
gacaacgtca aggccaagat ccaggacaag gaaggaatcc ccccggaacca gcaacgtctc 180
atcttcgccg gaaagcaact tgaggacggc cgtacccttg ctgactacaa cattcagaag 240
gagagtactc ttcacctcgt cctccgtctc cgtgggtggca tgcagatctt cgttaagaca 300
ctcaccggca agaccataac cctagagggt gaaagctccg acaccatcga taacgtcaag 360
gccaagatcc aggacaagga gggatatccc ccggaccagc aacgtctcat cttcggcgga 420
tagcagctcg aggacggccg caccctcgcc gactacaaca tccagaagga atcaaccct 479

<210> 7565
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086b02d1

<400> 7565

cgaaacatag aaagaatatt caatcagatc aaagaacgaa tcccatcggc agactaacat 60
catcataaac aagcgttttc gcaataatta acatctcctc atccgtgata attaacagca 120
ttgtttatct taattaattc tctcgtcatt tagagagcga gcatcacgag ggaagcgatg 180
gcggaagcag caccaaagag tgccatgttg acgcgggaag catcgatgct gggacctggt 240
gccaaagcag aaggtgactg tgcaatgtta tcaccggcac cgtcggcggc ggggtgttga 300
agtggcaccg tagcacatgt cgctgctgct gccgcagatt caacgccagg tgcaacgata 360
ggcttgctaa cctgaagaac cgaaacgggg ttgggttggc tcgtcacgga cttacaagc 420
acaaccttga aaggtgcat 439

<210> 7566
 <211> 455
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220086b03a1

<400> 7566

taaacaataa aataaaataa aacagaagag aaggaaacag aagtaaaaaa aaaataaaat 60
 gggttacaca agatcttctc ttctgtccgt ggctcttgtc ttggcattct gttcaagcat 120
 tcagggtttg gacatcacca aattgttggg cgaatatccc gaatatgcac agttcaacaa 180
 atacctaact gaaaccaagc tggcggacca aatcaacagc cgtaacgccg ttacagtcct 240
 tgcccttgac gacgccgcaa tggcttcctt ctccggcaag tcgcaagacg ccgttaaggc 300
 catccttagc acccatgtgc tcgtcaactt ctacgacgag aagaagctga tggaagccga 360
 aggtagtcgc accaaggtcg aaaccctatt ccaatcctcc ggtgtcgcca agcccaacca 420
 gggttacatc tacgtggcgc tcatcaacga gggggg 455

<210> 7567
 <211> 488
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220086b03d1

<400> 7567

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 atcagtggat tcaattgtgt cagtcgcac tccattgcat atgaatgcta ctattcaatc 120
 ctctggatcat gtttagcagc acactgaggt tgatgaagtt gagttcttaa acaactgcag 180
 ggatgctggg gtggttcaca ttcttggaac cacagttgtg agggcaagga gggattcaag 240
 attccacaag aaaatagctg ttgattatat atatgcattt ctgaggaaga tatgcagga 300
 aaatagtgtg atcttcaatg ttctcatga gagtctatta aatgttggtc aggttttcta 360
 tgtatagcct ctaaacctct tggtaatttt tgcgtgaaca ttgggtttat aggcacattc 420
 aatcagaagc atgttaaaat agttaatatg tagttaataa taataaaaac tgtattgaaa 480
 tctatgtt 488

06317

<400>	7568
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<210>	7569
<211>	440
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220086b04d1

<400>	7569
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3377

<210> 7570
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086b05a1

<400> 7570

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 tccttgccag aagttaaaat ggccaagaa accttcctat tcacatctga atcagtgaac 120
 gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga tgcattgctt 180
 gagcaggacc ctgacagcaa ggttgccctgt gaaacctgca ccaagaccaa catggtgatg 240
 gttttcggag agatcacaac caaggccaac gtggactatg agaagattgt gcgtgacaca 300
 tgcaggaaca ttggttttgt ctctgatgat gttggtcttg atgctgacaa ctgcaaggtc 360
 ctctgcaaca ttgagcaaca gagtcctgat attgctcaag gtgtgcacgg ccacctcaca 420
 aagaggcctg aggagattgg tgctgggtgac caaggtcata tggtcggcta tgccactgac 480
 gagactcccc agctcatgcc cttgagccat gtncttgcca cgaagctcgg tgccaagctc 540
 accgaggttc ggaagaacgg gacatgc 567

<210> 7571
 <211> 424
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086b05d1

<400> 7571

gagagaacat ttttttttgt ttcattcatat aaaatatata tggtctgaaa gaacacatac 60
 aagtacacaa aaaaaagggg gaaattcata aaaaaatata gaaaaaaaaa aacagaattg 120
 agtaagaggg aaggaaacat agagaaaatt ttagcaatca gataataaga agccagtagt 180
 agtgcaaaag tcccttgcca agagtgttg aaccctttt agttaagcag gtaccttctc 240
 ccccttgagt ggcttcacca cttcccatgt gaagtcaggg tcattctctgc caaagtgtcc 300
 atatgcagca gtcttcaaga acctgccatt tccaccctc ttgagatcaa ggttgatgga 360
 gatcatgcca ggctgaagt caaaactctc cttcacaatg ctgaggattt ccttgctcagg 420

gatc

424

<210> 7572
 <211> 329
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220086b06a1

 <400> 7572

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 ttgcaataat atatttgatt tgatgtttca atcctggggt attctttaat ctaccaagaa 120
 ttaaattgcca gcttggttctt gtgcatgacc tcatgcaatc tccgtctttt aatttggaag 180
 aatggatcca gggctctcttg cttcctggat tacagattgg cacaagtttg aaaaaagtgg 240
 tgcttgactc ttatgaatgc tgacctgctt gttactcttt cctcctagtg taaggctttt 300
 tcgagaaagc aaaatggcgc tacaattca 329

<210> 7573
 <211> 394
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220086b06d1

 <400> 7573

ggcaaacaca aaaaagattg ttttctatth agcatgttag cataatcaca atatgctcgt 60
 acaagtaaaa aattttactg ccccaaaccat taacaaaccc tagaagaaca tcaaaacaac 120
 ccgaactttt caacaattta aaggggaaaa ataaggggag cgccacaca actttgccat 180
 cttaattctat gataatttgg cactatgata ttccaccccc actaataatg ggggggaaaa 240
 gaatactttt taagaacacc aattagaaga tgcttcaagc attttcatag cacatactgt 300
 taaactggga tcacatcatt cttggatgca ttttcacatt ttaaaactat accctcaaga 360
 ctagctggaa aaatgcattt ggtccattgg caac 394

<210> 7574
 <211> 343
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086b07a1

<400> 7574

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 actgctcact gaagatcttg aagcactact ataatcactc aggttaatgg caagggaaac 120
 aacatggaac gccaaactgta gcatacatag gatggtggtg tagagaggtg aaacaagtac 180
 ctgccaatgt aatagtggta gtgttttagt acctctgatg atgctgacga taccactgag 240
 caggttgtga tgctgtatg tactgccagc gattgatatg gagatctggg aagtaatata 300
 cataactcaa tggaagattg attacatgct aagcatcata cct 343

<210> 7575

<211> 356

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086b07d1

<400> 7575

gggaaaaaaa aaaaattttt ttttaatttc ggggcggggg ccgggttccc cccgggggga 60
 ccccccccc ttcaaagggy gaaccccccc acaagaccca aaagggggaa gggttttccc 120
 cccctttttt ccccccttg cccccggggg caaatttacc ccccgcccc cccttggtcc 180
 ccccgccctt tttttttccc ccccccttt ggttccctgt ttcccaaccc cccccctgg 240
 gggccgggtc agggccgggc cccccgggc ggggggtttc aaaaccgggg ggttggtccc 300
 ccccccccc ccttggggtt tttttcttg ggcccggggg ggcccagttc tttcct 356

<210> 7576

<211> 466

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086b08a1

<400> 7576

agtagttaa attgtgacca aatacataag ttcgtatgat aaattataaa aactccaacc 60
 tatataataa ctgtaacttc tacatttttc atgtaaata gtccttcaca taaatagtag 120
 ttagatcaac cctccctcca acctttcgta caagaacaaa acatgattag catgcatcta 180

gtcacatctt tttgcataat attggcacta agtctttttt gatagaaatt gtgaagatgt 360
acgtgaatca tggaatcaac aatatggggc ccttcttttt ttattggat 409

<210> 7579
<211> 337
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086b09d1

<400> 7579

attgggaaaag ggccccaagg atttgcccct taggaaaatt attccccggt tttttttggt 60
ataaaaaaat ttgtttcaac ccccagaaat ttttgaaaaa aaaaagtccc ctttcttttt 120
ccaccttttg ggggggcaaa acccccctta agygcaaaaa aattttatatt tttttttgaa 180
aaaaaaattt gcccaaaaaa ttgtccaagg gacccttttt tgaaagactt aaaaaggggtg 240
aaaaaatttg ggggtgaaaa ttttttaaatt tgygggtgaa aaaaaagggtt aaaaaaaaaa 300
aacccccccc ctttttttgg gaacacccca atttttc 337

<210> 7580
<211> 483
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086b10a1

<400> 7580

gcttcatata taattcctca gcctctatag tagcatcaga aggctttgca gggttacaag 60
gaagtgaag tgcaaaaaag atgtttcaca gacattagtt ttgataaaat tgctgcagaa 120
tccatggaag gtagggaagc actatcagcc gcagctgtga agcatagtgt tccatgtgca 180
gaaacacttg cagatattgc tgcttattgc aatgagagaa agctagctag tagaaacggt 240
aaggatgcct gtgataaact ttacatatgg tttctcctga agaaaaagga ggttttattg 300
tcagaagcaa gaatactggg actaggccca agattcatgt caatttatat tcaaaagcta 360
gctattgagc gacgcatata ttatgatgaa gttgaagggt tgactgtgga gtggcttgag 420
acaacatcca ctttggtgct tagcatgtct actagtaagt gtgcatttag gaggggctgc 480
cct 483

<210> 7581
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220086b10d1

<400> 7581

cgnacacaaa ttaagaaact ttattaactt gtgaaaatgt aagatatcac agtatatagt 60
 atcagttaca tacattacag taaaaacatt tattcttttag ctagctagcc tctgggtatca 120
 tatcatatta tctatatttg tttcacgtac gaaacatttt gtactcccaa acacaaaaaa 180
 acaaagatca ttattccttg gattgatgag ggtgatgac gctccaacaa taagatggaa 240
 gaacgcgccg ttgcaacaac ttgcatgcat gggcggcaca agagagagag attcgatgaa 300
 tgaagtaagt aagtaataat gcgatcgatc acataattgt gcaagcagag gtgttttctt 360
 cacagaaata ttcatcgcaa cggctcacgt aacaaggcct gctcccaccg taactatcat 420
 aaacaggcct tccataataa gcgttataac at 452

<210> 7582
 <211> 492
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220086b11a1

<400> 7582

acaaccttta accatcacat tgtcaacaaa ttccggcaaga attcattttt ttgggaaggt 60
 accaaaccaa aagtggtaat cactgaccct gagcaaatca aagaagtctt caacaagatc 120
 caagactttg agaaacccaa gttgagtcct attgtcaagt tgttgggctc tggacttgca 180
 aatttagaag gcgagaaatg gcgtacacat cgaaagatta ttaaccctgc tttccattta 240
 gaaaaattga aggttatgtt accaatatct cttgaatgtt gtgacgatat ggtttccaaa 300
 tgggaaaggt tggtgtcttc aaatgacaaa tccgaaattg atgtgtggcc tttccttcaa 360
 aatttaacat gtgatattat atctagaaca gcatttgga gcaagttatga agatgggaaa 420
 cgtatatttg aacttctgaa agagcaaact ggacttatga tgaaattgca gaacgcttac 480

attccaggat gg

492

<210> 7583
<211> 316
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086b11d1

<400> 7583

aaaaaaaaa aggttttttt tttttaaggg tccccaaagg ggggggggga aaaaaaaaag 60
gggttttaaaa accaattttt ttttttgggg gcccccccg ggggaaaaaa tttttggggg 120
ggggagcacc ccaaaaaaaaa aaaaaggggg gaagggggccc cccctttttt taaaaaaaca 180
aaaacgcccc ctttctaagg gggggggggg gggcaaaaaa aaaaaggccc ctttcttcta 240
aaagggtgtt ttttaaaaaa aggggggggg ggcaaatttt taaaaaaacc ccctgttttt 300
tttttttaac ccccc 316

<210> 7584
<211> 486
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086b12a1

<400> 7584

caagcagatc aatctctctc tctctctcaa ccataatagt catgggtttg aaggaggatt 60
ttgagcagta tgctgagaaa gcaaagactt tgccaccgac tcaatcaaac gaagacttgc 120
ttatccttta tggattgtac aaacaggcca ccgttgacc tgtcaacacc agccgtcctg 180
gaatgttcaa catgagggac agagctaaat gggatgcatg gaaggctgtt gaagggaaat 240
ccaaggacga agcaatgggt gattacatca ttaaggtgaa acagctgctg gaagcagctg 300
gcttgccctgc ttgataacat tgtcatgcct tgctttctga ttctgtgcta gaagttcaca 360
acagtttgga aataaacaat tgcagcgttt gaagctttta ttatcataat catatttatt 420
tctaattgatt tagacatgtt gcttttgagt ttagttatct gtatcactgt tattggaaat 480
gcctgt 486

<210> 7585

<211> 463
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086b12d1

<400> 7585

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ggacaaataa atcttatttt tccattgata ataccatgga aaatttcacg agtaatgcat   60
atcataaaaa aaatatccga taaattctat gttagctata taaatgacaa acataggcag   120
agtaactaaa agactaaaac caacagaaag agacgtgaca aaaattactt gagcacggta   180
actgaagatg cccacataga taaagagccg ccatccacca aatctctgat cacacactca   240
cttcttggat ttcttcagtg cttgagctgg ctgggatgct gttgcaggtg tagtaatttg   300
tgctgctgat ggctctcttc ctggaccttg ggccaagcgc tctctcctcc gagcattttt   360
cctctccctg ctageccttg tcttggcagc ctgcgctca aactggtcag acaatgtctt   420
ttctcttgcc ttctcagcct tggacttggt tatgctctcc atc                       463

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<210> 7586
 <211> 503
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086c01a1

<400> 7586

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cttaacaaca gtactaaact gaaatgaatt atcaaatcaa ccatcagtga tagcattggg   60
aataggataa cattaacat tacactctac aaaatactac aacttatttt cccctacaaa   120
ctctgtttca cttttattag tgcaaactcc agttttacac cattaagaaa atgaagagca   180
catcttcaac gggatcaa at gaggtaatc gttcctattc tgctctttac aacacaattt   240
tttttgctcc ttctcttcaa tatcaacact taaactacta aaattataat ctttctatga   300
ttgcagataa aatctgtcat tatcaagccg cttttgatct tacagtttat cgctgccttt   360
agcaacgaac aaaaacatca tccctgttcc agcgttctac catacacaat gggcaccaca   420
gtatctagag ttcgttcatc taagatataa tggagcaatc tacaaaatac aggtcatgcg   480
ccacaaagaa gagtctattt ggc                                           503

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<210> 7587

<211> 472
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086c01d1

<400> 7587

ccactacgta cacgcacatt ctctctcaaag acaacaatgg caccaacagc caagactctg 60
 atttacctgg cccaggagaa aaccctagaa tcgagcttcg ttcgggacga ggaggagcgt 120
 cccaagggttg cctacaacga attcagcgac gagatcccag tgattttctct tgccggaatc 180
 gacgaggtgg atggacgcag aagagagatt tgtgagaaga tcgtggaggc ttgcgagaat 240
 tgggggtatat tccaggttgt tgatcacggg gtggatcaac aactcgtggc cgagatgacc 300
 cgtctcgcca aagagttctt tgctttgccg ccggacgaga agcttcgttt tgatatgtcc 360
 ggcgcacaaa aggggtggatt cattgtctcc agccatctcc aaggggaatc ggtgcaggac 420
 tggagagaaa tagtgacata cttttcgtac ccaaaaagag agagggacta tt 472

<210> 7588
 <211> 120
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086c02a1

<400> 7588

tttttttttt tttttagtca gtggggagtg ggaccattta aaaggaaagg atggttacga 60
 atgatgtatc gggagaaaac ttttaatacaa gttgaattat aatatgggta gttaccttgt 120

<210> 7589
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086c03a1

<400> 7589

ggagggtcgt gatcttttag ctatgagttc tttccaaagg aagggcaacc tagtgacaaa 60
 cccatatttt tccatttctt ctatgaaacc tcagacattg atgaaaacaa tctttaccct 120
 tttgtccacc tttctagtga tggcaatctc ttcattcttg ccaacaaccg ttccctcctt 180

ctcaacccta ccaccaacac agtgggttcgc acctaccccg tncctcccg tggttcccg 240
 aactacccgg ctttcggcat gtcttccatc ctccctataa aactcgatgg cactgagcta 300
 agtagtgcct tcatcaaggt agaggctcct gtatgtggtg gcaacagcca tgatagtctc 360
 atc 363

<210> 7590
 <211> 310
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086c03d1

<400> 7590

aacaaacgta ggtgggatat tagagtacta ttattaatgg gacacaattg agttcaacac 60
 aaaccgaact tatttttaag ggacattatt acagacccat taaacatcaa agttcttcaa 120
 atgttttggg aacacatcca acattacaca acgagcttaa aacccccac ggagaccgag 180
 gacaaggtga aggggttgatt cttcttgat gttgtagtca gcgagggtcc ttccatcctt 240
 gagctgcttg ccagcaaaaa tcaacctctg ctggtccggg gggaagcctt cttgtcctg 300
 aatcttggcc 310

<210> 7591
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086c04a1

<400> 7591

agagcttttg cttttcttctc tgcgcgcttt tcccaattaa gtagttcttc cttttctcaa 60
 agcaaaaaat gttcatcgag agtttcaagg ttgagagtcc taacgtgaag tacacagaga 120
 ctgagattca gtccgtgtac aactatgaaa cactgaact tgttcacgag aacaataatg 180
 gcacttatca gtgggttgtc aagcccaaaa ctgtcaaata tgaatttaaa accaacaccc 240
 atgtccctaa actaggggta atgcttggtg ggtggggggg aaacaatggc tcaaccctca 300
 ctggtggtgt tattgctaac cgagagggta tttcatgggc acaaaggac aagattcaac 360

aagccaatta ctttgggtcg ctgaccagc catcagctat cagagtgggg tctttccaag 420
 gggaagaaat atatgctcca ttcaagagcc tgcttncaat ggtgaaccct gatgatg 477

<210> 7592
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086c04d1
 <400> 7592

aagcacaaaa tacttcgata actttatatt attttacatg catgcatagc atagatagcc 60
 tgctctcaaa ttagtcagca ggaacaaaga tagagagatc caacgatctt taaatttcac 120
 atttgccata aatatataac agaaaagagg gtatgggata tgagttaagt tttgatctca 180
 ttcaactaca gtatcccaaa ccattactct taagactttg aacttcaatt gtactccagg 240
 atcatgttgt tctcaggagc taatccaaca caagccctta ggatgttttc cagcatagct 300
 cgctgctttg acagtgcatt aaccactggc gtactcggtg gaaccagagg ggccttggtc 360
 aggtaactga ggatggtcgc aactgggtgg aatgagtgga actttccctc attttcagct 420
 ttaaactcga ttcgagtgtt aagctcagca agaaggacca agtccaagat aataggag 478

<210> 7593
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086c05a1
 <400> 7593

ggacgaaaag attcctcatc ggcaagcagg ggttggtttc cttctttctt ctcttgggcg 60
 ggcacatcac ttcctctac aaggcaagaa tattcattcc tctcttcctc ttgccaccac 120
 ctattgcttg ctttgcttct gtttcgctcc actccgagat ctacacacta ttccagtgc 180
 gtattgggca aatgcaactg ctggtgaaaa ttgggtagtt aatttgcaag gcgacacacc 240
 tggaacttgg gaagctgcag taatggatct tgacggaggg tgttcagcaa cagttagcac 300
 aggagcacag gcaagttcag gacgttcaga cagcatgg tgcgacctat cggattacac 360
 agcagaacct tccagcatgt aaacctgtgc ttacacctgc agcagacatt gctacatctc 420

tattgatggg tatcaatttc attcctgatg gac

453

<210> 7594
<211> 468
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c05d1

<400> 7594

aataagtgtt tcaattccat tctgtaaaaa tattcagcaa aatacaatac aacatacaca 60
ctttctatct caatatagta cctttttttt gtgctgttac aatggcaaag ctgaggtttg 120
attttatgac ctcaagcaaa ccacccaaac tcaactatgc cactcctaata ggctcatttg 180
catgatagtt aaagccaaag gaattgttta cctgcttca tcttttataa ttaaatacat 240
cagttttaat aacaagaatg tgtatcctgt gtgtcgctta agaaaagtat taccattgta 300
ccacgtacct attcaggtag caatgttggt cctattccaa gataagtagg ccgtgtcccc 360
ataaggtcta ggattcttca catgaagcaa caggaagatg atggagacta atatacagaa 420
ggcaccaaca aataaattgg caactccaag gaagtgattt tttccacc 468

<210> 7595
<211> 475
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086c06d1

<400> 7595

gaaaaaaagg acggacaaat atctactata acaatcaata acaagtacat tagcaagtat 60
tcaagccaag tacatcagcg agtatataaa aatccaaaaa ctcgatcccc ctccacaaga 120
gaaaacatca aaagtccaaa aaagagctaa tgctcctcca acaagtaaca ccaactgggtt 180
cagaaaccga tttattcaga cctctcattt tttgctcgag caagacacta aatcgcagct 240
aaacataaac atacggtaat aatgtgaaga caagctactt tgaagtaaca ccttaaagag 300
acttcttggc aacgaatata agaagatcaa tgacacgtga gctgtatccc cactcgttgt 360
cgtaccaaga aacaagcttc acaaagttct tattcaatgc aattccagcc tttgcatcaa 420
aaatacttga tctgctatcg ccgataaagt cagtggagac cacatcatct tcagt 475

<400>	7596
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<210>	7597
<211>	133
<212>	DNA
<213>	Glycine max

<400> 7597

<210>	7598
<211>	400
<212>	DNA
<213>	Glycine max

<400> 7598

3390

<210> 7599
 <211> 485
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086c08d1

<400> 7599

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cgcccttttt tttttttttt tgaaaaggaa taactggtac catctattac attaataata  120
tcgatctaca aacgatcaca ccgagaactt cattgaacag agagcatgaa ctacttattt  180
tccattacag tacacgagag gagtacgaag tttattttga gatacgatgt agctgtactt  240
ataaaggcat ttagaaatgg aaccgataac tttatagttt gagatagagt attatactct  300
tatggagttg gaattggctt gtgaattggc aatggtggtg gaagtggttt cttgaatttg  360
gggtgaagtg gtagcttagg aataataggc tttttgaaga aaggcttttg ttttagaaat  420
tcctccgact caacagtcgg gatgggcttt ttcactataa atggggtttg gataggctta  480
ataat                                           485

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<210> 7600
 <211> 487
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086c09a1

<400> 7600

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caaagcatcc cccccaagct acaagcaccc aaaggggagg aataataata agcctaactt   60
ctaaggccaa aaaaaaaaaa aaaatagcaa atatgtcagg aaagatcatt atctcggtg  120
tttctctcat cctggtggtg ggtgtggcaa tcggcgtggt ggtcgccgtg aacaagaagg  180
gcgaggatcc tgcagttgaa tcccaccaa aatacgtagg ggtcatatgc caaacaccg  240
atgagaaaaa gctctgccat gacaccctga gctccgtgaa gggcatggac agcgctgacc  300
ccaaggccta catcgccacc gttgtgaaag ccacatgga cagcgtgacc agggccttca  360
acatgagcga caggctcacc acagagtacg gtggcagcga taacggaacc aagatggccc  420
ttgacgactg caaagacctc ttgcaatcag ccatcgagag cctccagctc agcactgaca  480

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tggttca.

487

<210> 7601
 <211> 492
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220086c09d1

 <400> 7601

ataaaagaat agtttattat aacgacacaa aatagactac atcatcctca tagtccagga 60
 tagatcttga tgtaataata taattaagca gggtcggtcc atcaacatat ataacatgat 120
 aatatgaaaa tgtcgagata agactccaca tcaagattga attaaataga cattagaaaa 180
 cccgaatcga aagtagatta ataataacag tcttactgaa attaattacg taattaattc 240
 tcattgtcga actcctcgta ttgcctgagg acctcagcac agccagaagc aacctcctga 300
 gacatgaagc ccatggcatt ggcgaacctt tcatcggatg caatgccgat gtagcgggtg 360
 agaataacca cagcttcgtc ggggccccggg gtgacttcct tgcattgagg gtgaggggtg 420
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 gctccagttg ag 492

<210> 7602
 <211> 463
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220086c10a1

 <400> 7602

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 gcatcttggtg ttgtgtccct cttttaagct atttccttct cttaacacaa ttgggtgtgc 180
 caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa 240
 tgaaaaatat tgggttggtt tttcttggtg tggtggctac ttttgtggtg gcagccacag 300
 ctggtagctt ttaccaagac tttgaaataa cgtgggggtg tgagcgtgcc aaaatctatg 360
 agaatggaaa ccttctcaca ctctcccttg acagagcctc tggctctggc tttcggtcca 420

aaaaagagta cttgttcgga aaaattgaca tgcagctcaa gct

463

<210> 7603
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086c10d1
 <400> 7603

accagagaaa caaaaccaga tgtattataa cacagcaagg gggggctttc cttcaactcc 60
 ttgcctcact agttttacaac cctaaaacac aagctttggc gtatatatgt tattgagttt 120
 tgggggggaaa tttcacaacc acaagacaca gacaacaaca gaaaatatat atacacatac 180
 aaatgaacct cttataatTT tataacttaa gcaaggattc ttgtaaaatg atttcggagt 240
 aaaaaaaaaa aggaaaaaag aaaatgtaac tggcaagatt tcatgagtta attgttttgc 300
 tctttatctt gccactgtt ctcttcaggg ctgctttcct gcgcatgaat aaccgtagcg 360
 gtccgcaat cctcattgtg tttcacctca ctatcattgg ttgtctgtgc ctgcacattt 420
 gaagctgaat ttgtttgctg ctctgttatc aagctagtaa ggccattttg c 471

<210> 7604
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086c11a1
 <400> 7604

gtggtgagtg aattgcagag tcggcaatgg tatgtgtatg agcgtagtca cacttgaatt 60
 gaattgaagc tctgttcctt catgtgacga caatctccaa cgtcatctga gctctcgtat 120
 attccccagc catggccgaa aaggtcacca taatgaggct caaggttgat cttcagtgcc 180
 acaaatgcta caagaaggtc aagaagattc tctgcaaatt ccctcaaata cgagaccagg 240
 tgtacgacga gaagaataac atcgtgacca tcgcggtggt ttgctgtaac cctgagaagc 300
 tcagggacaa aatttgctgc aaaggttgtg gtacgatcaa aagcattgaa attgttgagc 360
 ctcccaagcc caaaccacca cctcaaccag aaaagcccaa ggaaccagag aagccaaaag 420
 agccacagaa gccgaaagag ccagagaagc cgaaagagcc agagaaaccg aaggagccac 480

cgaagcct

488

<210> 7605
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086c11d1

<400> 7605

aataaaactc caacaatddd attaataaaa atactttaca atttcagcac atatacactg 60
ccatgaatat aatdddgcac gctataatta tctttcgcca caaacaatgg agtagtgctc 120
aacaaagcac aaaccaacaa taataacagt ttagttgca ttaatdtaca caagaaagta 180
aattaacgta ataggcaaca catgtgtgtc acgttcatga ggatcatttt ataatgatat 240
gcaacattga attaaatatt ctcatgcaat ggagcattct ggaggaaggc cttgagggaa 300
acgtctgata tcagtgcaat aattgtaaat catgtaattc ttttgacccc aacggatctt 360
tgccctgcccc gtggcgcca gtgattggcc agtggaggaa gaagtttggg aattgaagtt 420
tctgtatgag gctgtgaatg gg 442

<210> 7606
<211> 485
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086c12a1

<400> 7606

caaccacagt ggcgaaagag cttcttctc tgctgctgct ccaacaacgg tgcgttttg 60
cacttctct gccaatgtcg aagctcgcat tctcagattc gtctattccc tctacctttt 120
gaatcccttc tatctctca acttcttctt tgcccgtctc atgagaggga agtctcttgc 180
tgattgatga catggagcag tatgaaatac ttgagcaaat tggaaaaggt gctttcggtt 240
ctgctcttct tgtgaagcat aagcacgaga agaaaaata tgtgctgaag aagattcgcc 300
ttgcccgcca aactgagcgc tgcgtaggt ctgcacacct ggagatggag ctctctcca 360
aattaagaaa tccatttctt gcggagtata aagattcatg ggtagaaaaa ggttgctatg 420
tgttcattat tataggctat tgtgagggcg gagacatggc ggaagctata aagaaagcta 480

gtggt

485

<210> 7607
<211> 514
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086c12d1

<400> 7607

gagtcgtag ttaaataaca cagctctaac acaagccaat cttttcgttc agaaagtgcc 60
aaaagttag caaaacaaat accattggat ggaaagccta atttagaagt cttgaaatct 120
tagactaaaa tacgtctctg caaacaact acaacagcag aaggaaaaca cgaaataaac 180
agatagatat tactttcttg atctcacggg catgcttcac tactattctc tgcttcttca 240
agcatttgca caacctgtgc aacccttct tctatttctc tctgatgac tccatcagge 300
atatcaaag tcttctttt gaagtagagc gatgctgac ttccaccagg ctggggatct 360
accacatcaa gcattgcttc cagctcatcc accattgacc tcttcgcaga tcttaccata 420
atatcagatc cctcaatggc atcaacagtg aggagcaaga caatgatttt ctcagaaaac 480
cgctggcggt ccccgcatca cgagctacat gacg 514

<210> 7608
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086d01a1

<400> 7608

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tgcatgagta caggcttggt gaagaggagc ttgagagggc tgggtctgga tctctcagc 120
ctcaggatgc gtatgttttg tgtagagtgt ctcacaaaaa taacatagga ccccaaatg 180
ggcaacggta tgcgcccttc attgaagaag agtgggatga cgcacggga atgggtccag 240
gggcaaacct tgggggtacc cgttttttgg ccac 274

<210> 7609
<211> 490

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086d01d1

<400> 7609

gcaacactat aggcgaagga ctttaggttg ggatttggga attaggggta ttcgcgtggc 60
 gaagatgatt gaggtggttt tgaacgatcg attggggaag aaggtgcgcg tgaagtgcaa 120
 cgacgatgat accatcggcg acctgaagaa gcttgtggcg gctcagactg gcacaagagc 180
 cgacaagatc cgcacccaga agtgggtacac catctacaag gatcacatca ctctcaagga 240
 ttacgagatc catgacggca tgggtctcga actctactac aactaaacac aacaagggtg 300
 gttttatgcy taatatacta tgtgctggga atgggataag cgctaaatgt aattctgact 360
 tgcgaaagtt cccatgattt gaaataatgt acatctccaa atgatattgg gtattatata 420
 ccgttgacag ctttaagttgc tttgttatat aacctatata tgatgacttg tttggcttgc 480
 tgctaagctt 490

<210> 7610
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086d02a1

<400> 7610

gaaaaattag ctgtgtcaca tatagcataa gcaaattcac tgaaataatt tcaccaatta 60
 aagctgtggc actctcaagg gaaagagaga aagatgctgc caatatcaag agactacttg 120
 aggaagggga cttggtgatt tgccctgaag gcacaacttg tagagagcct ttcctcttga 180
 ggttcagtgc actatctgct gaactcactg ataggattgt cccagttgct attaacacaa 240
 agcaaagtgt gttctacgga accacggttt gcggacacaa gttgttggac ccgtactttg 300
 tgttcatgaa tccaatgcc aatatgaga tcaactttctt gaaccagctt cccaaggagc 360
 tcacatgcag tggagggaaa tcagctattg aagttgcaaa ctacattcan agggttcttg 420
 cagggactat gggatntgag tgcacaaatt tgactaggaa gagcaaatat gccatgcttg 480
 caggcacaga tgggac 496

<210> 7611
 <211> 467
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220086d02d1

 <400> 7611

 ggattaaatt agcacagttc tacagatcca cagaaagaat aaactaaact tccaactggt 60
 ttggcttgtt tattgctaaa aacatttatt cactccacac atatctactt atctataagt 120
 acttaagagc gcataaagta catataatcc atagaacggt aataactcta cactgaaata 180
 atctgccaaa agagtttggc ttgggactag cggggagaag gttgggtatc atttgacacc 240
 cacataatct agggtaaggg taagggtcgg caaccaagta atcaataacg cctaccaccg 300
 gctgtcgaca gaagaactcg atttggtttc tttcccttct tccccaaactc atttgtcttt 360
 ggtgcattcg agcttatatt agattctgct cttgatataa cattggagta tgattgtgtc 420
 tccccatttc tcaagcctgt tgagacagaa gaatcagagg tcctgtt 467

<210> 7612
 <211> 521
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmfl02220086d03a1

 <400> 7612

 cacaaagggtg atagctggaa aagggtgtcct ttgtgctttg tgatgatatc tgccaaggat 60
 ttatatacct tgcacatcac aaatgtaaaa cagtatcaag taggagataa tgttgagttc 120
 acctttttta caccgaaaaa ggattccttt actctgtcac ttaaaaaataa acgagagaca 180
 aataccacat cagggtgtcga tggagatatac tgtgatccct tttctaagtt cactcttata 240
 tcagatgtag atctctcagt gaagcatgca atatccgata tagatgggtg gctagccaga 300
 gctgattcag gtcttggtga tgacctggag aagcttcctt atgtttgtgc tgcaatgcaa 360
 caattagaac agaggaagag gtattggagt gagcacaggt ctcacgacag tgaaaaatct 420
 tctatgatta ttgattgtgg acaccagata ccatcaacag ttgcaaattc tatggatact 480
 gatgatgaat actgttctaa tggatcaata acttcttctt c 521

[illegible]

<400> 7613

<210>	7614
<211>	436
<212>	DNA
<213>	Glycine max

<400> 7614

<210>	7615
<211>	455
<212>	DNA
<213>	Glycine max

<400> 7615

3398

cataattatc tcattgcaata taatatat tttccatgccac taccaaacaat tgcataaatat 120
 attgatgtta tcattcttata caattagggtc tcaaaggttaa taagtcttat ctaacttgcg 180
 taccaaagag gctcttaaag aaccctacca ctccaataact tttcaagcct acaatgttgt 240
 aacgtgtgat aaaaatctca ctctacctta acctgttttc tgtacgaagg ctttgatgtc 300
 aaatgcatca ccagcagatg tcttcgtaat gacacccttc tcagtgatga tccccgatat 360
 tagattagca ggagtaacat caaaagctgg gttccacaca gaaattcctg aggcagcaat 420
 ctgctctcca agtcctccat gtgtgttcag caatt 455

<210> 7616
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086d05a1
 <400> 7616

ctttcttttc ttctcgaga gcgaaatccc aatcccacac aaatggcatg ctccagccacc 60
 tctgtttctc tcttctcgc aaacccccaca cctctcttct ctcccaaata ctgcctctcc 120
 ctccctaaca actctctcca cctcaaccct ctccccacgc gcccttctct ctccctcaag 180
 cgccccctgc acactcgccg ctcttcggtc gtcaaagcct actccagcga gcttccgcta 240
 gatggaaaca cgcgaccgga tttcgaagca gaggtgttag ttgaccagta gtctatcaac 300
 gtgaaactat ctgattacat tgggaagaaa tatgttgtgc tcttcttcta cccgttggac 360
 ttcactattg tttgtccac agaaatcact gctttcagtg accggcatgc agagttcgag 420
 gcactaaata ctgagacatt ggggtgntca gttgacagtg tgttctcgca ccttgcattg 480
 at 482

<210> 7617
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086d05d1
 <400> 7617

agtacacttc aaaatccagc atgcatttat tagtatatcc ccataccctg cggctcaaaa 60
 ttttaaggact tacaaaacat taagaaacaa gacccttttg caattcacac tgactgatac 120
 agatgcagat agccactctt aactatctag tatcctagct acaccgctgc aaagtagtct 180
 ttgctaagtt tagggctctg tttcatggac ttctccccag gcttccaccc agcagggcaa 240
 acttcatctg ggttctctg cacatactgt aaggcctgga gagttctctt tgtctcgtca 300
 acacttctac caattgccaa gttgttaatg gtagaatgct gaataacccc ttccttgatca 360
 ataatgaaca aacctctcaa tgcaattccc tgatcaggaa tgagaacacc ataagatttc 420
 gatatggatt tgggtgacatc agaaatcaaa ggataattca agtcaccaag gccacctgac 480
 tttctatctg ttnggatcca tgcaaggtgc gagaacacac tgtcaactga aacac 535

<210> 7618
 <211> 612
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086d06a1

 <400> 7618

gcactcataa taattaaaac aaagaaaaac aacacatacc tgttggtaca tgccaacaac 60
 ttgcgtagc ctttaaccgg aaggagaatg actgcggctt agtctgacat tgaacagata 120
 ggaaccttct tagaccctg catgatctgc atgacgctaa tgctctttgc aaatatctag 180
 aatcattcta caccctacgc aagccagtgg catctacaat aaacacatta gctggggcat 240
 tgtacaaggt gttttgtgca tcccctgac cagctagtaa ggaaatgcgc caggcatgtt 300
 ttgattattt aagccttgga ggtgttttct cagatggacc aattgctcta ctctctggtc 360
 taaatcctcg tccattaagc ttggttctcc acttctttgc cgtggctata tatggtgatg 420
 gtcgcttact cataccattc ccttctccaa aacgaatgtg gattgcagct agattgattt 480
 ccggtgcctc tgctatcatt ntccccatta tcaaggccga aggaattaga caaatgttct 540
 tcccagtaac tgtgccagcg tattacagaa caccnctac caattnggaa gataaatata 600
 catcttgga gg 612

<210> 7619
 <211> 521

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086d06d1

<400> 7619

cagtcagata aaacttggtcc ttccaaaata ttcaaattaa atactataac cttcatgcca 60
 catcctatgt ctatggctaa agttttaata gttttaagtc agtcactgct gtttttatgc 120
 caaaacaaat taacagaaga acaagcagca ttacacatt tccaacagca agaggcattt 180
 tgactttggc cttaggtggt tgctaatttt atttatgtag ccatctaaaa tactgagatc 240
 ttaggtcaaa gcatccatcc aggaataaat ccattgactt gttgagcttg agttgtggca 300
 gctagctgct gctctgaggc ttcagggatg tacctgtagt cagaacctat ctgcaatgtg 360
 gggttgcact ccaaaggctg gaagaagcct tgagagttag cattttgggt tccatatggc 420
 atactttgct caccagcttc ccattgttgc ctatactggt ttcttgaatt gattttcttc 480
 agcttcatgg tcaaagatct gtttgcttca ccaacatatg c 521

<210> 7620
 <211> 134
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086d07a1

<400> 7620

cttctgagct ctgattaggg tcgcctagcc gaggggttct ctatgagaaa ggcttcttcc 60
 actatgcatt gcgcacttct gcgcttttgg gttccctgt tgctgcttgc taacttcaac 120
 tatgctcctt ctgt 134

<210> 7621
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086d07d1

<400> 7621

gcgaatccgt gccccccggg tcgacgagct acggcggccg cccttttttt tttttttttg 60

aaaaggaata actggtacca tctattacat aaatataatc gatgtacaaa cgatcacacc 120
gagaacttca ttgaacagag agcatgaact acttattttc cattacagta cacgagagga 180
gtacgaagtt tattttgaga tacgatgtat ctgtgcttat aaaggcattt agaaatggaa 240
ccgatgactn tatagtttga gatagagtat tatactctta tggag 285

<210> 7622
<211> 363
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220085d08a1

<400> 7622
tctcagagga ctcagtatgt ccactcctcc aagtggtttc ttcaatgcca tcatgtagac 60
ttattaaaga atcattgcag aggagaattt ccatgaactt tgactattat atcagtgcga 120
gtactgactt tgtgttatta gatgagacaa cttaatacaa tatcattaag catccagatc 180
tgacagtaac gtctgaagag aaagtcctta atgcaattct aatgtttggc atgaatgcaa 240
aacagttggt tgggtgggaa gtggtggatc agttaatgga aaattcaaaa ccagaactcc 300
tttttggtga gaggcttcag ttaatctatg acttggtgcc atttggtcga ttccactac 360
tac 363

<210> 7623
<211> 295
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220086d08d1

<400> 7623
agaaccacaa ccctttatcc atgacttgat tcaaataatt tagtcaataa gcaaaccata 60
atgtacatga aggagctgga attgtatttt aggaaggtat ggtattggca tggctaggct 120
ttaaaggaag tagccataca attccaagta acaaatgcag aaattccagg gattggggggc 180
atcggggggg gttcctgtga gcacaacccg gaaataacctg aagggaacaa aagcgttggg 240
gccattatg ggccaagagg caaactggcc aggtttacat atactccgat ctttt 295

<210> 7624

<211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086d09a1

<400> 7624

ctggggttgca gggaaaaaga aaaataaaat gggttccgat aataccaact tggagttctt 60
 gaaggagatc ggtttgggct cctccaacat tggttcttac attaatggcc aatggaaagc 120
 cactggttct tctgtcactt ctgttaatcc ttctaacaat cagagcatag ctcaagtgac 180
 tgaagcgact ttgcaagatt atgaggaggg attgcaagct tgcagtgaag cagccaagac 240
 atggatgact attccggcac cgaagagagg tgagattgtg agacagattg gtgaagcatt 300
 gagggccaag ttggatcctt tgggtagact ggtgtctctt gagatgggaa aaattctccc 360
 agaaggaatt ggggaagttc aggaaattat tgatatgtgt gattattgtg ttgggctaag 420
 cagacaattg aatggatcaa ttataccatc agaacgtcca gatcatatga t 471

<210> 7625
 <211> 149
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086d09d1

<400> 7625

gaaaaatatg attaaaatat tttcataagg tatttttagaa agcttataag ataaatccaa 60
 atatactgca aattagttct gccaaaaaca tcctaaaagt tatgatcttc atcataaaat 120
 gaaagaggga ggtgggggcg tggagggtg 149

<210> 7626
 <211> 493
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086d10a1

<400> 7626

ttttaaaatt aaccatcgat ttagttgcaa ctggaacaca ggtttctttc aatgaaataa 60
 tattaatatc aatttaataa gctggtaatg taaaatactg ctaatgttaa tatgaagttt 120

ggatggtctt attggcagaa gatgctaggt ggtgttcac aatattctga aaggtaaaac 180
 gatttttggtt tttaatgata atataacat gaatctaaca tcagatattg aacgctacac 240
 atcaaaaata aatcgagcca acgcatttaa ttgtaagtgt cttcatatta cctgtgttct 300
 gtcacatctt tttgcataat attggcacta agtctttttt gatagaaatt gtgaagatgt 360
 actgttatca ttgtatcaac tatattgtgc ccttcttttt ttatttgatt tggcaaacac 420
 ggctactttt ctccaaataa gatggatcat ttgtattgcc ggctttgtgc acaattatct 480
 acttgtaaga agt 493

<210> 7627
 <211> 471
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086d10d1
 <400> 7627

aggggtaagg taagattaga tgatttgcac tcaacggtct tgtaccagag ttgacactca 60
 atcaggtcac agtacagaag aaattaacag gtttcattgt ggtaaactag tagcaatgca 120
 catcacaact gaaaagatgt tattctaaag ctaatcaggg atgaaaattg tagttgagaa 180
 tcccttttaa cacagttcaa tgctttcccc tcgaaaaatt ttgccttcaa atttgtaggg 240
 cattagcaat agaccgggct agactcagca cttcaaaagg agctgtattt gctacagctt 300
 tgacagtaag agggcaagaa tctgtaatcc agaagtaggc aaatgcattc tccaaggcgt 360
 cttttttatg agtgaatgc tcccatgatt ggttaggaaa cacgccatgg gtaacatagg 420
 cactcacctt tgctgcacca ttggctgcca aaactttctg acactcaatc a 471

<210> 7628
 <211> 495
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086d11a1
 <400> 7628

cttagaagca aatgctggca tggatccca gattcgtgtg gcaagaccac ctgctgaagg 60
 acggggaagg aatcaattgc ttccacgtta ttggcctagg attaccgatc aagagttgca 120

acaaatatca ggagattcaa attctacgat tgtgccactc tttgaaaaga tgcttagtgc 180
aagtgatgct ggtcgaattg gtcgcttggt tttaccaaaa gcatgtgctg aagcatatTT 240
ccctccaatc tctcaaccag agggccttcc tttacgaatc caagatgtga aaggaaaaga 300
atggatgttt cagtttagat tttggccaaa taataacagc aggatgtatg ttttagaagg 360
tgtaaccccc tgcattcagt ctatgcaatt gcaagctgga gatactgtaa catttagccg 420
tatggaccct gaggggaaac ttataatggg gtttagaaag gcaacaaatt ctactgcagt 480
acaggaaaca ctacc 495

<210> 7629
<211> 504
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220086d11d1
<400> 7629

ggttctaaaa aaattaataa tatactgaat aaagtgtcga agaacaataa ttaaattaat 60
tcaaggaatt aaattaaaac aataattata ttgatcaact aaatctacca tatgaaaatt 120
tcattcttta cttgtaaaga gccgaaatta tcttcacctt aataattgta gatgtagaag 180
aataatcaga atcttcctaa atccacgtaa tttcttcgaa aatgctttgc ccaacacaat 240
gatattgtca caccagaagc tatgcggcgt ctccatttg atattccatt tatcgccctg 300
agatttacia tgctaattgac ctatttctgc attacaaacg ttgttgcccg aaattggact 360
tcttacaagt agataattgt gcacaaagcc ggcaatacaa atgatccatc ttatttggag 420
aaaagtagcc gtgtttgcca aatcaaataa aaaaagaagg gcacaatata gttgatacaa 480
tgataacagt acatcttcac aatt 504

<210> 7630
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220086d12a1
<400> 7630

caaaggttgg catgccgatg aagtcattgg atatatttag ggaaatgcag tcaaaactag 60

<400> 7632

gtttgttgtt gtaactcggt cttcttcttt tgttgttctg tgtttgtgtt tgttttttct 60
 ctcacctgaa aatgtcttgc tgcggtggtc actgaggttg aggaagcttc tgcgagtgcg 120
 gcaacggctg cggaggtgct aagatgtacc cagacttgag ctacactgag tcaaccacca 180
 ccgagacctt ggcatgga gtggcacctg ttaaggctca atttgagggt gctgaaatgg 240
 gtgtgccccg tgagaacgat ggctgcaa gtggaccaa ctgctcctgc aacctctgca 300
 cttgcaagtg aggtgttggg agagcaagct tcaagcagag atagccctta attaggaata 360
 atgataaact attaattgtgt agctaagaac ttatgtatta tgtctgtgat ggttntcgtg 420
 cactctgggtg ttttgtgtta aacatacatc cttagaataa agtggtcattg tc 472

<210> 7633

<211> 480

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220086e01d1

<400> 7633

agctttcaag agacaaactg ttttgaaaaa tgggatccaa ggttgttgca tccgttgccc 60
 ttctcctctc catcaacatc cttttcattt ccatggttag ctccagcagc cactacgatc 120
 caccgcccc accttgttac gtccctgctc ctttaacacc accaccatca ttgtcaccac 180
 caccgtcatt gtcaccacca ccaccgtcag gacctagtgtg tccggatctg agtgtttgcc 240
 tcaatatttt agacgggtct cccgcggatg attgttgtgc cctcatcgtc gatcttggtg 300
 accttgaagc ctctgtgtgc ctttgcattc aactcagggt cctcggaata gtaaaccctg 360
 accttaattt gcagttaata ttaaagcct gtggaccaag ctaccgtca aacgccactt 420
 gccccogaac ctaagaacag aatatgtatg gcactaatca ccatattact tcgtatcatg 480

<210> 7634

<211> 421

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220086e02a1

<400> 7634

002200-03200

ctctcaagtc caacctaccc ctttttcttc tcccaccaac ttcaccgtct tcttcctcga 60
tcatgtctca cttcaagggc aagtaccatg atgagcttat tgccaatgct gcttacattg 120
gcactcctgg aaaggggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcgtt 180
tggccagcat cagtgtagag aatgttgaat ccaacaggcg tgctcttagg gagctgcttt 240
tcaccgctcc cgggtgctctt aaatatctca gtggtgtcat cctctttgag gaaactctct 300
accagagcac agctgcaggc aagccctttg tggaagtctt gaaggaggct ggtgtgcttc 360
ctggcatcaa ggttgacaag ggcacagttg agcttgctgg cactaatgga gaaaccacca 420
c 421

<210> 7635
<211> 447
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086e02d1

<400> 7635

aacaattaac gatgttgata taagatatat aacatgaaca gcagcaaatag ttgcaccacc 60
aaaacaatgt tcaagtagtt aatgtatgat ctaacatatt ttcttgctaa acattgactt 120
tgacagcacc cacctaattt gttcagtttc ttgggtccttt tattcttaaa attgattaaa 180
aagttattgt aacaataatt cccaattttg ctaacagaaa gccagtctta gcccattgct 240
ttatatctat ttacttttgt atttcttaat ttcttgctat accatgggca aaaaatttct 300
tcataaatac aaacacttat gagactatta caacagaaca tagactatga caaaataatt 360
attacggttt tggaagtttg gactgtgtgt cacttgggga aggaattacc cggccaaggt 420
gaagaagctt ctatacacac ttgcaag 447

<210> 7636
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220086e03a1

<400> 7636

agagaacgag aaaaagacat cgagaaagca atgctggagg ctgagagga aagggaaga 60

gaaaaggata ggatggctgt tgatagagca acttttagagg ctctgatag ggcatatgct 120
 gaatcttgtg aaagggctgc atttgaaaga gcaactgtgg aagcacggta caaggcactg 180
 gctgaggcca gggaaagact tgagaaggca tgtgctgagg ccagggataa gtcaaacatt 240
 gataaagaaa ctatagaggc aagactgaaa gcagaacgcg ctgctgtaga aagagcaact 300
 gcagaggctc aagaccgagc tatggaaaaa ttaaagaatg aaaggactgc atttgagtcc 360
 agagaatggt tagcgagatc tgtatctgac aatttttgcg gaagaccaga ctcttcatcc 420
 tccgatatgc tggatcctga gtttcagaac ttaagctcta ccacaggttc cagacatcca 480
 tattcacttt atgngtgctg cctcttntct tagagatc 518

<210> 7637
 <211> 466
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086e03d1
 <400> 7637

gacccaataa tagtagttat gatttgtata tatcagaaca acaaaatata cataaactgt 60
 aatttttttc cagccagtga tcagatttta tttctatcat aattctaagt gttttggaaa 120
 cacattgggc gccaatagc aataatcaaa agggagaact taatttctct cccttttcaa 180
 gccttctcct tagatggaac tgtcccatct gtgcctgcaa gcatggcata tttgctcttc 240
 ctagtcaaaa ttgtgcactc aaatcccaaa gtccctgcaa gaaccctttg aatgtagttt 300
 gcaacttcaa tagctgattt ccctccactg catgtgagct ccttggaag ctggttcaag 360
 aaagcgatct catatgttgg cattggattc atgaacacaa aagacgggtc caacaacttg 420
 tgtccgcaaa ccgtggtttc gtagaacaca ctttgctttg tggttaa 466

<210> 7638
 <211> 546
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220036e04a1
 <400> 7638

gtgctcattg gaagatggaa gtgtaatcaa gcctttatat gagcagtcac ttacaattcc 60
 aagattcaaa aagcttcaac ttgagccacc ggagattggt gaaatacagg ctaatgatgg 120
 cactacattg tatggagctc tgtataagcc cgatgcttca aagtttggac ctccacctta 180
 caaaactatg atcaatgttt atggtgggtcc aagtgtacag cttgtttgta actcttggct 240
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 tgggtcaaatt gatgctgatg atcagctaac cggagcagag tggcttgtca aacaagggct 420
 tgcanaaggt ggtcacattg ggttgtacgg atggagctac agcgggtatc tctctgccat 480
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<210> 7639
 <211> 509
 <212> DNA
 <213> Glycine max

 <223> Clone ID: jC-gmf102220086e04d1

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 ggccattcaa ccaaagatgg aataacaagt tattttacag attcctctga atgaagtccc 180
 acatcctccc ttccatgtaa actcgatcgc tatgacgcct tggcatgtga cgttcatctg 240
 ggaaaactat taactcatac ggttttccag ctgccacaag tgcattgata agtcttgag 300
 tgtgcctgaa gtgaacattc tcatcaatca tgccgtgcac aagcaacaac cgccctttca 360
 actgctgcac ttggttcata acagaaccgc tttcatatcc caacttgttt tcagatggca 420
 accccatgta cttctctgtg taaaacgtgt catatccgtc ccatgatgta acaggggcgc 480
 ccgctattgc acacttgaag aaatctgga 509

<210> 7640
 <211> 482
 <212> DNA
 <213> Glycine max

0953113-032200

<223> Clone ID: jC-gmf102220086e05a1

<400> 7640

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atgtcactgg ttcaacttcg acctctcttg acaaggcgag gggttcagcac aagctctgag 180
aaccttggtg cttctgtgct ctttgagaga ctgccagtgg tcattcccaa aattgaccct 240
gtagtttatg catttcaaga attctcgttt cgatggcgac aacaatatca acgcagatat 300
cctgatgaat ttctagacaa atctgatgct aggggttaaag gtgattatca gattgactat 360
gtgccagcac caagagtcac tgaagctgac aaaaacaatg atcgaaggtc attacaaaga 420
gctcttgata gaagactcta ccttctactc tatggtaatg catatgggtgc tacaagcggg 480
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<210> 7641

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086e05d1

<400> 7641

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ccagaaaaac tatgctagct tgatcttctt tcaaggctcc tcaactgcat ttagagctaa 180
tttgcaatag tttcaactaa acaactatcc tccattgtca tcagctaata atcatcttgt 240
ttaaaaactc agcttgctcg ggaaaataact ccatcagttc atcctttgtc acccagacat 300
gatcctcaca ttttccgatg ttgaatttgt ttttggaat aacttgagac ttgaagaaga 360
atctcttaaa agatgtggat ctagactggg cttctgtagg ctgaacaacc atatgggcca 420
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<210> 7642

<211> 360

<212> DNA

<213> Glycine max

[illegible]

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atgtcactgg	ttcaacttcg	acctctcttg	acaaggcgag	ggttcagcac	aagctctgag	180
aaccttgatg	cttctgtgct	ctttgagaga	ctgccagcgg	tcattcccaa	aattgaccct	240
gtagtttatg	cattttaaga	attctcgttt	cgatggcgac	cacaatatca	acgctgatat	300
cctgaagaat	ttctagacag	atctgatgct	aagggttaaag	gtgattatca	gagtgactat	360

<223> Clone ID: jC-gmf102220086e06d1

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ataaaaattgg	gcaaatttgg	gatgttaagt	gtaacttcaa	attgaaatct	tcagttatgc	120
ccagaaaaac	tatgctagct	tgatcttctt	tcaaggtecc	tcaactgtcat	ttagagctaa	180
tttgcaatag	tttcaactaa	acaactatcc	tccattgtca	tcagctaata	atcatcttgt	240
ttaaaaactc	agcttgctcg	ggaaaatact	ccatcagttc	atcctttgtc	accagacat	300
gatcctcaca	ttttccgatg	ttgaatttgt	ttttggcaat	aacttgagac	ttgaagaaga	360
atctcttaaa	agatgtggat	ctagactggg	cttctgtagg	ctgaacaacc	atatggggcca	420
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<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220086e07a1
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cattacaaaa tatataaatt tcagacacaa tacgttgacc tgtgaaggaa attagcatac 300
tgtgcgcca tagcacaac aagcaaggta aagggtttttt gaccattttt ccttaacatg 360
tgtgcttgga aattgagatg tacgcagagt ttctggggtt tcatctcctg gcctgcgctt 420
aggaatgcta agtataagag cagattgatc ccatgtagca gcccgctgctg taatcctata 480
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ctgatcact 549

<210> 7647
<211> 479
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220086e09a1
<400> 7647

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gaaattaact gatcgccgaa acccctgccg agatatactc acttcggata aagtaaacca 180
ctgtacccaa gccctcaacc ttctgaagga gaaacttcac tatecctaag tgatcactga 240
ggaggaacca cactcgcatg cgaacaagat aactccccct gagatgagaa gaggatgcac 300
cgctcgtat gacgccctca atttgagcaa aaaccgatgc acggacgttt tggcatttaa 360
caagaacagg gtggttctca aagcaagtac tgattataag cctgaagcac acgggtatat 420
caatgcaagc cttatatcca cctcatccgc tggaaatgtg tgccacttta tagccacac 479

<210> 7648
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220086e09d1
<400> 7648

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 cctgaacgaa gggagctaac gagactaata gtgaaagctg tctcatgctg attgcaagaa 180
 tgcaactata agcgatggcc tcgggatgcc attaacgctc acttctatga catccctagt 240
 gacctggctt tcacacaacc cctaactctc ttgtaacctc tgtctgggcg ggatgattac 300
 aggtgtgttc ccaaacttta ccattgaaa tctacttttc ctatgactaa ctttcgagac 360
 caggaattca tggttaaatga attgaacttt tgctttaagt aaccatgtat gcggcaaaga 420
 cttcttaaag atgtgtgtct accgcctgac acattaaatc ctccaacatg ttggatgtgt 480
 gatgcatatc c 491

<210> 7649
 <211> 498
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086e10a1
 <400> 7649

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 acgcgtcccc tctccctctt tacctcacca acgccatctt cttcacgctc ttctttctccg 180
 tcgcctactt cctcctccac cgctggcgcg acaagatccg cagccacacc cctctccacg 240
 ttgtcactct gtccgagatc gccgccatth tctccctcat cgctccttc atctacctcc 300
 tcggcttctt cggcatcgac ttcgtccagt cttcatctc acgcgcctcc caagactcct 360
 gggacctaga cgacgccgta acagctccct cccccgcaat taccaaattg ccctcacggg 420
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 tcacgccctc ctacgcgc 498

<210> 7650
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086e10d1
 <400> 7650

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 gcgttaacac ccaactcaatg gctcggcaga acaagcaacg aaaagtatac aggaaagaaa 180
 ggaaggatcc agaaggggac aggggaacatg tggagtagaa ctcttctttc ctctctccaa 240
 ataattaaag atctacacag acagcaatgc aaagccaaac gtggatgaca acaatctaata 300
 ctaatgtttc tccattttcc ttcccaaatt tcgcttacct tcaatttttt atttattctg 360
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 catct 425

<210> 7653
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220086f01a1
 <400> 7653

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 gtggcaccaa cattcatttt aatgcatttg atgctctacg tggctggaaa caggaagcat 180
 tgccgccagt tgaagttcct gcggcggcta aatggaaatt tagaagcaag ccctctcagc 240
 aagtaatact tgattacgac tatacattta caacacctta ttgtggaagt ggcactatgg 300
 agattgataa agatccgaat gagggagaga gagagacttc taaggaaacc agtgatatcc 360
 attgggaaga ctgcaaggat caaatngatg tagttgcact agcatccaag gagccaatac 420
 ttttctatga tgaggtagtg ttatatgaag atgaactcgc tgataatg 468

<210> 7654
 <211> 477
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086f01d1
 <400> 7654

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ataaagagga ctacaaaaaa ttctgggaga actttggtag gttcataaaa ttaggttgca 120
 ttgaagacac tggaaatcat aagcgcatta caccattatt gaggttttac acttccaaaa 180
 gtgaggagga acttaaaagc ctagatgatt atgttgaaaa catgggagaa aacaaaaagg 240
 ctatctttta cctagcaact gacagcttga agagtgc aaa gactgctcca tttttggaga 300
 aattggttca aaaagatatt gaggttcttt atttggttga acctattgat gaggttgcca 360
 ttcagaacct acagacctac aaagaaaaga aatttggttga tatcagcaag gaggatttgg 420
 aattaggtga tgaggatgag gtcaaagaga gggaaaacca gccagaatac cacctac 477

<210> 7655
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f02a1
 <400> 7655

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 atgaaatggt taaagatcag cagaccacag ggagctatga cttcatcttt gtggacgcag 180
 acaaggacca ctacctcaac taccacacga ggtcgataga gcttgtcaaa gttgtgggag 240
 tgatcgggta cgactacacc ctatggaacg gctctgtggt ggcaccccca gatgctcctc 300
 tcaggaagta cgttagatac tacagggact tcgtgctcga gctcaacaag gcactcactg 360
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 tgatcaagtg atactgactt ctgataatac acaatcgt 458

<210> 7656
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f02d1
 <400> 7656

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 atacagatac taaataggaa tattcggaag gcatgggtat ataattctta acagtgggtg 120

aacaagaagt agctaagtta accataataa ttgagaatca gctataagtt ccattttag 180
gcaatttttaa gcattctgca actttgaatc tatgaattat aggtgaatga tcttggttga 240
gttctaagat gtaggaaaag gcacatagga ttgaacacta agataataac ttctcttgta 300
atacaaaaagg gtggacttct agttcctagt acggaagatt ttcttattgc aacaagaaa 360
tactactgaa cttgtaaata gtcccggtga aattcacatt ggtgggtggca gccatgttat 420
cataatgggg cttctcacag tgtgcaaacc atccttccat tccatac 467

<210> 7657
<211> 502
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220086f03a1
<400> 7657

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cagcaattgg tagaattaat gagcaaaaag agtataagtc accaagagat caagatgggc 120
atggcactca cacagcagct acagttggag gctctcctgt gcatggagct aaccttctag 180
gttatgctaa tggcacagcc cgaggaatgg ctccaggtgc aaggattgca gcctacaaag 240
tgtgttgggt tgggtggtgc ttcagctcag atattgtgtc agctattgat aaagctgtgg 300
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atagtttatc agtggcagca tttggagcaa tggaaggggt gtttttgggt catgttctgc 420
tggaatgca tgacctgacc ctgccagcct caccaatgtg tcaccatgga tcaccacagt 480
tggagccagc acaatggata gg 502

<210> 7658
<211> 465
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220086f03d1
<400> 7658

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ttacatcccc tcccctgttt gcacagggtt gaccaatata ccgaattact aaaattgata 120

tgaaggaaca ctaggaaaaa caaaaagcaa aattccaaac gattattatt ctgggaagag 180
 tcgaagcaca atactcatta acaagaaaat tcggttgtag ccataaaata ccgattccta 240
 cccgcactta gattgatcag tacttgtagt cctcaacatg gaggtctctt gaggcacat 300
 cagcaagctt tgagttaccc ttgtaggttc ccagagttgc ctctgagttg gccttggttc 360
 ttaccaaaaag ggcttcctga gccttcttca cattctctc ttttccactc catgccttaa 420
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<210> 7659
 <211> 520
 <212> DNA
 <213> Glycine max
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 <400> 7659

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 cttagtaacc tttgctgggg ctttggttaat gacactatac aaaggccctc aattcgacct 180
 atttcatcat tcaaacacaa cccaccaaca aggtggaagc cacactcaga atcactcaca 240
 ctgggtcgca ggaactctct tcatttgccct gggttgcctg gcttggtctt ccttctacat 300
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 cttggcgggt gctttgcaaa gtgccgtggt tgctctgatt gcagatcata accctcgagc 420
 atgggctatc ggttttgact acagcctcta cggctctcta tacactggaa taatgagttc 480
 aggaatagca tattatatac aagggttggg tatgcaaagc 520

<210> 7660
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086f04d1
 <400> 7660

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 taacttaaac aaaggcgggt ttaaacttaa caggggtaaa tattgggccc ccacccgcac 120

aacaaattac tttttggttt ggaaattacg ctatcattgg gcacttccgg caacataagg 180
 ggaccggatt actatggaaa ttttcttttc tataaggcaa cacaaagggg ttggtattta 240
 ttatttgga agggaattgg aagccgcatt gtttctgttt cttttggggg ggcgggggaa 300
 gaccgcat ttttatagtc tttggctttt cccaccccc cagagtataa acccactggg 360
 attatgatgc cccaatgat gcttcccaag gggaggggtt tttctagaag ggaggggcc 419

<210> 7661
 <211> 389
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086f05a1

<400> 7661

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 agcgccaaga agaagcgaaa caactttctca cgcgctgtct caatcttgga atctctgctc 180
 taaattctaa tcttcccgcc atagatgtcg tcgaacttgt ggcgagggaa ttggaaacgg 240
 atccgctgtt caattcgggc cgtggatctg ccctgacagt aaaaggaacg ggggagatgg 300
 aggctagcat catggatggg ccaaaacgac gatgcggcgc cgttgtgggt cttaccaccg 360
 ttaagaaccc gatctcggtt gcatcggtt 389

<210> 7662
 <211> 396
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086f05d1

<400> 7662

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 gcagaaagac cctacactac agtggaacat ggtacaaaaa tccaaaagtt gcatcgaaac 180
 aaccatgaag gaaaataatg aagcttttcc cagattccga cctccatgaa gccattttca 240
 ggggcacagc ccctaaacat gccattgcaa ttgaaacat aagccacttc cccagcggtg 300

gacacagcaa tgagaccagc cattccttta ttgagacggg gcttgatcac aaaatccacg 360
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<210> 7663
 <211> 304
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f06a1
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 taagtthttc gcgatggcgt ctaagcgaat ctggaaggag cttaaggatt tgccgaagga 180
 tcctgcaaca tcttgcaagt cgggtcctga tcatgaagat atgtaccatt ggcaagctgc 240
 aactatgggt ccttcagacc gtccctatgc ttgaagtgtg atcctagtga ctattgcata 300
 tcct 304

<210> 7664
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f06d1
 <400> 7664

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 attttaaact ttttaattgg gcttacattt cactgtttta aaaggggcgt ttgcattctg 120
 caatacaaac aacaaaaaaa aaatttcccc attcattttc aactgggggg gccttaatcg 180
 aagaccccaa attttcatac cagggtgttt ggcttaaaca ctgaaagtaa aaaacgctct 240
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<210> 7665
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f07a1

<400> 7665

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acaaaagttt agttttacta tgaaaatacc caactacggg ttttcttttt cttgggtatc 180
ggcggaaactt tggagatgac ttaaggtaac tctcgctttt tttgggtggg aagacttttt 240
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aatagcagct gcagaagggt cagaactcaa atcaccttta gaaccaagg gggatgtttt 360
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<210> 7666

<211> 400

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220086f07d1

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agaacaaagg agacaactag tgattaatta acatgatata tataataacg aaagagtcca 180
tcacagtcaa attaaataaa gtgcataaca aagtggtagg agctagcgag attaatcaat 240
tttggagaag cagctaaatt ttaagcagct tttgctgaca accccagggtg atgagtgtgg 300
gagagatcat gcaaactggg ctcacctttg acctccacaa agtgaatttt tcgaaccgga 360
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<210> 7667

<211> 482

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220086f08a1

<400> 7667

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tatcgatact tatggaggat ggggtgctca tgggtggtggt gctttctccg ggaaggaccc 240
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aagtggactt gccagaaggt gcattgtgca agtgtcttat gccattggtg tgcctgagcc 360
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ga 482

<210> 7668
<211> 460
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220086f08d1
<400> 7668

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acaaaagatg atacatatta actcgctact ctttactatg atttcttcta gtggcattta 180
atctaaatct aaagatgata ttcacattaa ggaagcactt tacgacacct aatttaagt 240
gataagatgc tgtcatttct tcaaggccca tctcttatca atattagagt aaacaatctc 300
ctgacaacgt acaagtccac aagctcctcc aaagcacaaac catctttcac tacctttgtt 360
catgttccat ctactctgt gcaatgcggc tactttggga gggaagggtt caggatatatt 420
cccaaaatct gacttttcat tatcagcctc ggggagtatt 460

<210> 7669
<211> 470
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmfl02220086f09a1
<400> 7669

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catcataaac aagcggttttc gcaataatta acatctcctc atccgtgata attaacagca 120
 ttgtttatct taattaattt tctcgtcatt tagagagcga gcatcacgag ggaagcgatg 180
 gcggaagcag caccaaagag tcccatgtag acgcgggaag catcgctgct gggacctggt 240
 gccaaagcag aaggtgactg tgcaatgtta tcaccggcac cgtcggcggc ggttggttga 300
 agtggcaccg tagcagatgt cgctgctgct gccgcagatt caacgccagg tgcaacgata 360
 ggcttgctaa cctgaagaac cgaaacggtg tcgggttggc tcgtcacgga cctcacaagc 420
 acaacctcga aaggtgcatt cgggtcgggc gcggcggaac cgaacgcaat 470

<210> 7670
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086f09d1
 <400> 7670

gaaccaaatt aaggaactat aagattatac atataatttt tacaattttg caattgaaag 60
 ctttaacatt accatgtatg tgttttaaaaa tcatacatgc tattttacaa ttttgctttg 120
 cttacacaca aatctcaaac cctgtacctt attgccaagc caacctatta ttttttacia 180
 gtaaccggcc attcattctg ggacaaataa aaaagacatt tcaattgaaa taaaataaca 240
 ataatgacta atcaaccaac caatcacatc atgaactgca tgagtttgaa ccaagcaaac 300
 ccaccaccac caccaccata tccctcctc tctttctctg cctctttcgc acaagacgca 360
 aacgacgtcg ttacgccatc ttccactgtt gtagctggct ttctcggaca tagaaaaaag 420
 ttcttagatc caagctctag cagc 444

<210> 7671
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086f10a1
 <400> 7671

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 ctgttttatt gacaccttta acgccactcc taaatagggt ctttaagtcc ttataatttt 120

ggttggccga acttcagatt cacagaatgc agtctcggga ccggtatagt atctgtgtcc 180
 atgccttcca gatttgaatt taaatagtga gaccgagatg tgggggtgtg ggcgaccaat 240
 gcactattgc ggggaagaac agcagaataa tggcttcggg actattaa 288

<210> 7672
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f10d1
 <400> 7672

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 attattatta actacatatt aactatttta acatgcttct gattgaatgg gcctataaac 120
 ccaatgttca cgcaaaaatt accaagaggg ttagaggcta tacatagaaa acctgaccaa 180
 catttaatag acttcatga ggaacattgg agatcacact atttccctg catatcttcc 240
 tcaaaaatgc gtatatttaa tcaacagctt ttttctgtg gaatcttgaa tccctctctt 300
 ggcctcacia ctgtgtttcc aagaatgtga accaccccag catccctgca ggtgtttaag 360
 aactcaactt catcaacctc agtgtgggtg ctaacatgac cagaggattg aattg 415

<210> 7673
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f11a1
 <400> 7673

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 gtggcactgc tgcaagtga actccaagaa gcgcagtgcc aagccaccat gtttcaacat 120
 tcaacagaag cctttttcct tccacttttc tctttggaat tggatcttct gcttaccag 180
 cagaaggagc agcaagtga gatgggagag gaccaagcat atgggacacc tacactagac 240
 agcactactga aaagatttgg gatcatagca ccggtgacat gggagctgat ttttatcatc 300
 gatacaaggg tgacataaaa atagcgaaag aaattgggct ggactctttc agattctcta 360
 tctcatggac aagaatattc ccaaagggca agggagcagt taacctctt gggttaaatt 420

ctacaacaat gtcacgatg

440

<210> 7674
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f11d1
 <400> 7674

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 ctagaactca tggccactat aatgaaccgg tggattttta cttcgacatg ccatttggca 120
 ttatttattt gataaaatga tctcttgatt acatccaaca caagtgatat acgatgaaat 180
 ctagggaaat aaacaagaaa aacactagac atgtcaaagg aacactaaat tcagatcact 240
 tgagaaggaa cttttgcaac caaaaagcag agaacttggg gtatcttttc aagttgttct 300
 tgtaatccac atatatgagc ccgaatcgaa ctgtgtaacc agcatcccat tcaaaactgt 360
 ccgaaaatga ccatgcataa tagcccttca aattaacacc ttccttgatc gcttgaagaa 420
 ggaatttaag atggccatca tggatatctaa tccttatac 459

<210> 7675
 <211> 488
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086f12a1
 <400> 7675

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 caaattcatc gattctcaca atcttaattg tgggcgttcc tcttcgaatc cccatcgagt 120
 cgccgcttct gcaacttcat tcgatatctc ttccgcttct gcgtctaaag ctacgaccga 180
 ctttgtgtcg ttgaccgcc actatggaag gtgctattgg gagctctcca aagctcgtct 240
 cagcatgctt gtggttgcaa catctgggac tgggtttgtc ttggggagtg gtagtgctgt 300
 tgatctttcg gcactttctt gcacttgctt gggatccatg atggttgctg catctgctaa 360
 ctctttgaat caggtgtttg agatcaataa tgatgctaaa atgaagagaa caagtcgcag 420
 gccactaccc tcaggacgca tcacaatacc tcatgcagtt ggctgggcat cctctgttgg 480

attagctg

488

<210> 7676
<211> 457
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086f12d1

<400> 7676

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tgcaaagaat aacaaattgt cacacggact atgaccctca acatgacaaa cgctaact 120
caattaataa tgtgagcatt gatagatatt tggtttaatt tcaagctttc atgaagttaa 180
gtgcatgagg aacatggaga gccttcaacc agtcagttcc accgttggaa ccagcctgga 240
ggaattgggc aggggtgaac tgagcagctt cttgctggct aatgagaccg cggtaaccct 300
tccacttgat ccttccgtta acgttggcac caggccatc gttgttgtat tcagcatagt 360
acagggtgtc ttcgaagtgt tcaccggccc atgggcacca tccttccggg tgaaggaagt 420
caccacggt ggattccatc acaattgtcc ttgagaa 457

<210> 7677
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220086g01a1

<400> 7677

tgcgaggtgg ctattaatgc ggtggatgag gaggcgagga cgtcacgga ggagacgaag 60
atcggagcgc gtgtgaaggt gaaggaggcg ggtttgaagg tgtaccacgt ccccaaagtt 120
ggggagcttg acctaacggg tctggaaggc gagatcaagc agtacgttg cctctggaac 180
ggtaagcgaa tctccgcaa tcttcttac aaggttcagt ttctcacga catccccggt 240
cgtggtcctg tcaagttctt tgcccacctc aaggaagatg aattcgacta tctttagtca 300
ctgtactgca ctgcactgcc ctgcacgtca ctttgtgtat gatgattga agaaggtgta 360
gcctgaatcc tttctaatat ttnttagtag gtgtccctgt acttgttggg taaagcaatg 420

gtatcctttc gcaaattctgt ctttttgacc tactatg

457

<210> 7678
<211> 410
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g01d1

<400> 7678

cccgtacaa tttgctttgt gctcactcat ctatctattg taaccaaaaca ctcttcttca 60
tattcgctcg cttcttattg cgcttgatct atctgtgacg agcattatgg actctagagc 120
agtgcctttg ctggctatga gcgtccttcc cgtcatggtc tgcggccatt acgcccacca 180
taagaaacct ttttgcgga agggatatgtt tactgagaac cttgccgtgc aggttttgag 240
acctcagcaa ccacctacat tgccgggtgct gagattatga tgcaatgcac gagcaggggt 300
accaaccagg ttgtgttcac cacgaagggg tacactggct caactggagc atacacaatg 360
tccgtggacc aggatcacgc acatcaaaca tgcagtgcc aagcatgaaag 410

<210> 7679
<211> 451
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g02d1

<400> 7679

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cattacaaac agtgggctat ttgattgcat accaagtctg ttcttttact taatcataca 120
caggtattaa atgttcatgc aaatgctaca aagcaccttt aaggggatgg ataccacaac 180
catttttatt caccaacaaa gggacgtgca ctctcaacac gctcccttta cttccccaag 240
aagatgagga atcacttttc aagcttacgc ttcacggaaa atctgccaaa accacacagt 300
tggcacacca aaacctacta cctattttgc acattcatc cttgggcat tcttgcttat 360
gctgctgaac cagcttggtc acatatgtcc aacagatcca gagtctctgg aactgacagc 420
tcaggacgaa gctttggacc atcataatga c 451

<210> 7680

<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g03a1

<400> 7680

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ggcaattggg cgatgaactt cgtggacact taaaagcatt ggaggatcac aaatgggtaa 120
tggttgcggt gaaattggcg gaacatacga gattgaaggg ggagcgtgtg aacaaccttg 180
atctttgaag ggccccattg aaacaaggtc aagggataaa tttgggttcc aggaatagaa 240
caaatttgag tctcttaact taagcatgtt gaacctggac tctaaattta ctgagaatg 299

<210> 7681
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g03d1

<400> 7681

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cgttttccac atgaataata gagaaaagaa aagtacaaac acaaataatt tgaagaaaaa 120
aaaataaaaag gaaaatatcg attgctttta aatgcattag caggtgccac tcaatgatga 180
ccaatcatca ctagggtgca gaagaagcaa cggtggtctt ggtccacgat tgtgtgatta 240
tcagaaaatc agaatcactt gatccgacgg catatagga ttccatcacc aaccgggagc 300
atgcaaactt cgatcctggg gtccacagcg agtgccttgt tgagctcgag cacgaagtcc 360
ctgtagtata taacgtactt cctgagagga gcatctgggg gtgccaccac agagccgttc 420
catag 425

<210> 7682
<211> 394
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g04a1

<400> 7682

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 ggaactgtta catgggggtgt gagtgtggat ccttatgtca tgatcatcat tgctcgggtga 120
 tgtgctcatg atgcctatat catcctggtc cactgcatga aagatcagac taggggtctaa 180
 tgcatcagat ggattaacat gaccgctgcc ataataaaac ggagtagctt tcaccaacct 240
 cctagctgtg tattaaccaa cttcttcggt taatagatgg taccatggta tttgtatagc 300
 tctggaattg atcgttcgag ctgctttgac tattttgagg atccagtgtg gaatttgggt 360
 tgccaataca tctattcgtc tattatatgt atat 394

<210> 7683
 <211> 515
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086g04d1
 <400> 7683

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 ttatttcatg tattacacat gctgtaagca acgaactttt ggggaatggg gcagatacag 120
 gttaaaactt gtgatgaagc attccaacaa aattactaga caatataagc aaaactatat 180
 gtggaagaaa ctaggagtga ccccttacac ctgcttacct ttacacctat tcataattta 240
 acattacata tttatatatt tagacgaata aatgtagcgc cataccttat tccccacagg 300
 ttacaaagaa tattacaagc agcaattgct ttcttttcct ttgctgacca aacttcacta 360
 tgctatctat cgtcgggtatc cgttggccag aacaggaatc ctcaccttgt gccctctgct 420
 ccctttcatc aaaacctctc caaaactata cttcctgtc accgagcgca ctggtagtga 480
 caccaaaaac tggcgcgatg cgcttgcttt gatag 515

<210> 7684
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086g05a1
 <400> 7684

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ggaacgttga aggagggaga ttcgaagggg aagatggtat tcgatgacgg tcagatctga 120
 acgtgccttt ggatgacaac cttagcatca ccgatgacac tagagtccgt gctgctgcta 180
 ccaccatcaa gtacttgact ggatatagtg ctaaagtgat cctttctagc catttgggac 240
 gtacaatagg tgtaacagct aaatacagtt tgaagccttt tgtgccaagg ctgtc 295

<210> 7685
 <211> 479
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086g05d1

<400> 7685

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 caatgcaaca ccaaggatgc cacaaaaccc tcttattttg aaacctatcc tatattaagc 120
 ctctacagga gcaagagctc gcagctctca ttgtacctta atccactggt ggctgaaacc 180
 caaccataat aataatataa agcacaaact tcaaaggaac gaatgatttt tgctcaagca 240
 tcatcaagag caaggacacc agggagttgc tttccctcaa gaagctctaa gctggcacca 300
 ccaccagtgg agatgtggct catcttgtct gcaagtccaa ccttctccac agcggcaacg 360
 gagtcacctc ctccaatgat ggttgtcact cccttcccac tcagctctgc cagtttcttg 420
 gctatagcct ctgttctctgt ggcaaaactta tcaaactcaa aaacacccat tgggtccatt 479

<210> 7686
 <211> 367
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086g06a1

<400> 7686

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 ttcagcgtct ggtagcaaag atggcgacat tgactgcttc aagtaactta gtctctaaaa 120
 attctcatgt ccaccatgga ccaacaactg cttcatatga gtctaaagca gttgcactgg 180
 gacttacatc tctgaatcag acagatactc atgatggact aagaattgtg aaccggcgcg 240
 atgatctact taacagaacc tcagttaaaa ccaatgcagt gcaagctatg aggaatggac 300

ctgaacgcaa gaatgccatg cctcaaggca tgatcacatg tggcatgact atcataatta 360
taggaac 367

<210> 7687
<211> 442
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g06d1

<400> 7687

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ataaaaaaaaa aaacccacct tttggagcca aatatagcct gggaacctgt gtcatatcta 120
gactattaag aaacgcttta atttatgcta atcttgaaag acctgcactc attacactga 180
ttcgaatagt gtaatttcg tgtccatgta catttctata atctatttag aagaaaacaa 240
aaatttggaa gaaggatata aacataata ttaataacaa gcaaggggct gggagaactt 300
cacgagactc agactaggag aggcttcct cacaatcttg ttcttattat tatgggggtg 360
ccacattttc ctttgctgt ggagcaattt cttctccatc acttccaggt tcaactgccag 420
gaactcccaa gcttagcagc ac 442

<210> 7688
<211> 417
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220086g07a1

<400> 7688

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cctacaagag cctactgtat ggccgggaga tgattgtcct ccagctaaat tcaacgattt 120
gaaacacata ctttgccaag tcttaccacaa agtaaaagtt tgtcacaaca cttattaaaa 180
gaagaatctt gcagctttac tcttcaagct ttgatgttc ggtaatttcc cgcaatatta 240
aaaagctaac caggtcattg atggaatgtt atgaacacag aaccaacacc tagaacagag 300
caacataagg aagaagaaga agccggggcc aaaaggagaa tcattagacc aaggtccctg 360
gatgactatt caccacaaatt acagccgcca cgtcagcaag gattttagaa aattgcc 417

<210> 7689
 <211> 314
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086g07d1

<400> 7689

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 cccaacggtt tggttcccg gattttccaat aaccgggggt cggataacta aactcaaaag 180
 ccacgtgggt aaaacattag aaaaaaattt ggttttgaaa aaaaaagcct taaacactgg 240
 aattggtttt ttccaaactg gggggaactt ctgcccaaa aataaaaagc aggggctgac 300
 aatgttttta aaga 314

<210> 7690
 <211> 484
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086g08a1

<400> 7690

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 atgcgcgggt accaagacac attgtatgcc cagcccatc gtcagttcta ccgcaattgc 120
 gaaatctctg gaacaattga tttcattttc ggatactcca ccaccttgat ccaaaaactcg 180
 aagatcttgg tgaggaagcc catggcaaat cagcagaaca tagtgggtggc agatggcaca 240
 gggcaaaaga acatgcccac aggaatagtc ctccataact gcgagatcat gccggaccct 300
 accctcttgg cagaccgctt gagcgtgaag acttacttgg ccaggccatg gaaggcattc 360
 tcaagggcag tgttcatcga gaatgttatc ggggacttga ttcagccaga tggttatatt 420
 ccatggaacc caattgaacc aaacacacag gattgctact tcgctgagtt tggcaacact 480
 ggac 484

<210> 7691
 <211> 440
 <212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086g08d1

<400> 7691

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 atacatagat gagccagcta gctaataaga cataggcaac tgaacacaac acatgatatc 120
 cccacaaaagg ataaatcata agacgtacaa aagcacaaaag gtaaggacta ttattaattc 180
 atggccctta aaaaatacta aaaacaccaa gggggcatgc aaatgataca tatgtaatta 240
 ttattaatta agcaagaatc tccttcaaag gcttggcctc aagttttgcc ttctgatcaa 300
 gttcttgcaa atgcttttca ttctcaaggt cctgcaaata cttttcctta gccagcttct 360
 tcatccttgc aatctcaatg tccttgtctc tcttctctct gtacatttca gcaaaagtga 420
 ttggttcctc catcacaggc 440

<210> 7692

<211> 500

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086g09d1

<400> 7692

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 tgtatatatg attttttttc tctataaatt aacaaaatca gattagtggg ttacccttg 120
 ttcttttgac aaatttgaac ttggctgatt ctggcgcat tatattatag aatttgggtc 180
 aatatatgcc cagagcatct ctgaattcgc ttccctttgc ttctacttca ctatactact 240
 actctaacca ccaccatctt accagttaca cggcttaagt tccatagttt gtcactctga 300
 accctgggtg gatgagtacc atagcttttt ctggcatatt aatatcttct gcatgtcact 360
 gccattgtca gtatcttctt tacgacattc ccaacgcata cccttaccac tggtagtgat 420
 agcatctgta aaataactgg attcacgaat gattgcatac cccaaggcc gtaagaatcg 480
 atccatttcc agcaatacat 500

<210> 7693

<211> 355

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086g10d1

<400> 7693

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ttttttgggg aaaaaggggg gaaccatagg gggggggggg gacccccaaa aaattccccc 120
ttttgggggg ggacgggaaa taaatttccc cccccacccc aaaaataaaa accctcaaaa 180
ggcccaaagg cacccttttt ttttggggcc cccccggggg ggaaaaaagg gggggggacc 240
ccccccctt tgtgttgcc gggccccccg gggggaaaac aggggtctcc aaggggcccc 300
ctccggggga aaggggggga aaaaaaaacc cccaaaaggg gaaacggggc cacc 355

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<210> 7694

<211> 358

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086g11d1

<400> 7694

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gccttttcaa caattcccct ttctgggtaa aagacgacac accccagagg ccaaaacata 120
acaaagaagc aagcaaataa ctaaaatatc tcagtcctga aacaagaatt aacaaaaaca 180
actacaaagg aacgacaatt agcatgggag tcttggttgt tcttcaagcg agtgtaggat 240
tctctgcagg agaagtcctc cacacgatat ctttaagagc tggacgaagc tccttgctac 300
agaactgggt atactccaag gtggtcaccg ttgtccttct taacctccac caccaaaa 358

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<210> 7695

<211> 492

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086g12a1

<400> 7695

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cttctgagct ttgattagtg tggcctagtt gttgttttct cgatgagaaa ggcttcttcc 60
actatgcatt gcgcacttct gcgcttttgg gttcccttgt tgctgcttgc tagcttcagc 120

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tatgctcctt ctgtttcggc cacaactgaa atttcagggg atgaagtgaa cacagatggg 180
aaggtgataa atgaagagtt agcaaaacca agtctaaaag gacatgatga agaagcaaag 240
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aagcctattc caaagtcaat tccagttgct aagccaattc ctaatgaaga agaaaaattc 420
aaaggattta ttccaaagcc aattcctata attaagccta ttccaaagat aattcctatt 480
gttaaacctt tt 492

<210> 7696
<211> 458
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220086g12d1
<400> 7696

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cccatgtcag ccagactaac atctctcttt cgggctgcaa aatcgatta tttgtgcagt 180
ttcatttgca aggatagctt tctagccaaa gtttattccc tgagctaatt gtagttcact 240
tccataattg atggtacatg tagaacgcgc catgtattgc ttccacgagt cacttcccgc 300
ctcaggcca ccaccggtcg ccttttctcc accaaaggca ccaccaatct cagctccatt 360
tgtaggtatg tttgcattca ctataccaca atcactacct cgtggcccaa tccacttgaa 420
tatagttcca ggtctttggg taaagatgac tacttaat 458

<210> 7697
<211> 554
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<223> Clone ID: jC-gmf102220086h01a1
<400> 7697

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acttcacttt ctcagcattt ttcatacaca tcctactact aatacttggt atatgggtca 180
 tcctccaccc tgcaaagcct caattctccc tcaaagaagt cgacatcttc caacttaacc 240
 tttcaggccc aaacctcaac tcctccatcc aactcacctt cctctccaaa aacccaaacc 300
 agaaagtggg catttactac gacgagattc aactctatgc aacctacaag ggccaacaaa 360
 ttactggtga taccctgtg ccaccctttt atcaaggcca agaagagagt aatctcataa 420
 cagcttcttt ggtgggaaat gctttaccgg tggctccgtc tcttggtat gaacttggtc 480
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 aagtgggaac atgg 554

<210> 7698
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220086h01d1
 <400> 7698

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 tctctactcg ctctcgctcc cgccggagat ccaccatggc cggcaacttc gccaccggca 180
 ccgtcacctt ctaaggattg agtcccgaga atttgaaatt aattgctccc cgaaaccctt 240
 cccgagatat acttacttcg gatcagggtc accactgtac ccaagccctg aacctgttga 300
 aggagaagct tcacgatcct cacgtgatca ctgaggagtt cccacacttg ccggcggaaca 360
 ggataactcc gagtgatgaga gagaagaaga at 392

<210> 7699
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086h02a1
 <400> 7699

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tgacatcact cctcagtcca tccaaaccca gatgatatgg ttcaacaggt acctggagag 120
 ccaggactgc caagagtcaa agtgcaatga ttttgatgac actctatattt ggtttgggga 180
 gattggagtc aatgactatg cctacactct tggatctacc gtctcagatg aaaccataag 240
 gaagcttgca atcagcagtg tctcaggagc tttacagaca ttgcttgaga aggggtgcca 300
 gtacctagta gtgcagggtt tgcctctaac tgggtgcttg acattgtcca tgtacctggc 360
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 ccaca 425

<210> 7700
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086h02d1
 <400> 7700

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 gaaagagccg gggttggttt ttaatcttaa aaaacaaacc gggggtggct ggaacacatg 180
 atttttgctc cccctgggac tagaaaaaaa gcccaacccc cccccaaaa gggaataaat 240
 ggggtttgaa tgaaatcgac cgggcaattt taaaacactg ggggcgttgc aaccctggga 300
 gggtaaagcg ggggtttacaa tggggaaaaa cccaattttt gggcgaacc ccaaatcttt 360
 aaaaaaaaa catcgg 376

<210> 7701
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmfl02220086h03a1
 <400> 7701

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 gactccgaga aggagagtga atacggttac gttcgcaagg tatcaggacc agtcgtcgtt 180

gcagatggca tggctggggc tgctatgtat gaactcgtgc gtgttggta tgataatctc 240
 attggtgaaa ttattcgtct cgaagggaat tctgctacca tccaagttaa tgaggaaact 300
 gctggcttga tggtaaatga tccggtgta cggactcaca agcctttatc cgtggagtgtg 360
 ggacctggaa tactggggaa tattttcgat ggaattcaga ggcctttgaa aactattgct 420
 aaacgatctg gtgatgtcta tattcctcgt ggtgtctctg ttccagcact cgac 474

<210> 7702
 <211> 524
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086h04a1

<400> 7702

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 ggaacgtgaa ggaaggagt tccttataaa tctcattgac tcaccagggc atgtggactt 180
 ctcatctgag gtcacaaccg cacttcgat caccgatgga gcacttgtgg tgggtggattg 240
 tggtgagggt gtctgtgtcc agaccgaaac tgtgctgaga caagcccttg gagaaagggt 300
 taagcctgtt ttggctctta acaagatgga taagtgttt cttgagctca atcttgatcc 360
 agaggaggca tacctaaccac tcaaagggt tggtgagagt gtgaatgtaa tcatgggtaa 420
 ctatgaagat gctctacttg gagatgttaa ggtgtaccct gagaaggga cggttgcctt 480
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<210> 7703
 <211> 362
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220086h04d1

<400> 7703

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 cacttttcat ggggcaaaa aaaaattccc ccatttggga acctaaaaag ggggccccaa 120
 acccccacaa agggaaaaat gggtaaataa cccctttttt tttccgaagg ggacaacccc 180

cccccaaagg ggggggtccc gggccccggg ggaaaaaccg ccccaaatcc cagggaaaaa 240
 acccccctgg ggggaaaccc ccccccccaa atggggcccc caggggtccc ccggaattga 300
 aggccccac ccccggttaa tatccccca cacaaaaaaa gggggggccc gcccccttaa 360
 tt 362

<210> 7704
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086h05a1
 <400> 7704

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 ggagatgcat aagcatgagc ccgggaccct tgatgctcaa agcatgtgca gaatcaatct 120
 gctattgaag gtgccacaga cacacacgaa atcaagcgtc agctcaataa ttcagcttca 180
 gatacctgat aatttgtaga ttcgatttcc atagcttcca gattccggac tggagtggaa 240
 agtacgtgac tgtcatagag ccatccagtt ggccaatatg acctgatgaa gaagattcta 300
 gattctgaaa gctgactgct atatcactg actgctagcg attggaatct gaatatggat 360
 ggcatgaatg agtatgcatc 380

<210> 7705
 <211> 325
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086h05d1
 <400> 7705

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 taggggggcg ctaaaatttt tgccaagggg ggaggggtgg aaaaaggagg gggcataccc 120
 cccctgtata ccttggccag ggggcacatt ccttcttttt ttttgggggg ggctaaccgg 180
 ggggggaagg ttttttacc ccatttctac caccaaacc cgggccgggg gaaaaagg 240
 ggggggacac tttgaggggc tccccttaca gattcgaaac caaaaccatg gcgttgtaaa 300
 aggtctctat gccagaagag aaatt 325

<210> 7706
<211> 313
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086h06a1

<400> 7706

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tatattttatc agcaatttgg taccgtccgg atttgatctg tcttgccctc tcttgcaagc 180
tgaagatagt gtgattgggtt gcctagttaa gataaagatc tgtatattga gattgggtgg 240
gcggagttag ttcatagaat gctagcacca atcccttctc attgggtctc tgtaacagtg 300
gttagctgct aac 313

<210> 7707
<211> 517
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220086h06d1

<400> 7707

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cacaaaatat aaatcttttt caagtatgcc caagtcaatc atcagataga aaataaacag 120
actaaattaa aacgaaaact caaaaactta aaagccaact atatttcagt atttcccacc 180
ttgctttctac ccctgttgaa agtaacaaag taagctgctc tgcaacaaag tagatctgaa 240
tttacaagac aggaaacgac caaacaagta aaataaaaag agagaaaaaa aaaggcttag 300
agaaggataa acccgaacaa aaaccaaag atataagcat cttaggcaga aaaccctaaa 360
aaaccccaaa accctagagg agtaaacct gttaggagct aaccactgta aacaaaaccc 420
aatgagaagg gattgggtgct agcattctat gaactaactc cgcccagcca atctcaatat 480
acagatcttt atcttcacta ggcaaccaat cacacta 517

<210> 7708
<211> 466
<212> DNA

<213> *Glycine max

<223> Clone ID: jC-gmf102220086h07a1

<400> 7708

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 gacaagttta gccaaagaaa cgaactacaa ttcttactca aaaaaataag aaaatatccg 120
 gaagaccgag cttcattact cagtttttaac taacttacac tgatacaagg gattggcatt 180
 gccgattcct aaggattttg ggccaccatc ctcttcaaat ccttattttc tttgctgaga 240
 acgtcgacgc gagactggag aatggtaatc attgcttggtg tgctcatcat ctcaaacctg 300
 atcgtgtcct tttcaactga aagctttctgc atctcactct tcattacctt gatgaacttt 360
 gcgcagcttg gaggcattga tgactcaaga ttttccacgt caaaatccgg tgtcttaatt 420
 gaagcaaggc tgtcctttga ttcaggggac tctagcagtg aaaact 466

<210> 7709

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h07d1

<400> 7709

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 gaaacaccga actctacaaa catgactata tgagatgtta cagcaattta ggtgggggtgg 120
 attgatcccg gctgaaagtg ttctctttta aactcttgct caaccaaata gcagctgccc 180
 tcggggaagc tatccctggc ccaaacggat ttaataaaac tgcaagggtg ccataccttt 240
 cctgctgtag taatcttgca cttaaattcaa gcgaaccttc taaggggtca gtcctttgtc 300
 ggaatgatga tgtatcaaac tgtccgtggc gcaagtctga aaagttgagg cttgatgctc 360
 cagcagttgc attttgatca gatgagccac ttttattctc atcgttatga ttggacatgc 420
 tgttcgtgat tgctgccaa gcatccgtac atactgggct aacataagat gtgtcacata 480
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<210> 7710

<211> 478

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h08a1

<400> 7710

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caagggcaag gtctggcttg atccaaatga agtcaatgaa atctccatgg ccaattctcg 120
acaaaacata aggaagttgg ttaaggatgg gtttattatc aggaagccga ctaagattca 180
ctctcgctcc cgtgctcgtc gaatgaagga ggccaagaga aaggggcgtc actctggtta 240
tggttaagcgt aaggggtacaa gggaggcaag gcttcccacc aaaatccttt ggatgaggag 300
gatgcgtgtc ctgagcgct tgcttcgcaa gtacaggga tcaaagaaga ttgacaagca 360
catgtacat gacatgtaca tgaaggatga aggtaatgtt ttcaagaaca agagagtctt 420
gatggagagc atacacaagt ccaaggctga gaaggcaaga gaaaagacat tgtctgac 478

<210> 7711

<211> 348

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h08d1

<400> 7711

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aaaaaaaaa ccctgggggg gggggggggg aaaaaaaccc aaaaaggggg gggggggggc 120
ctatttttaa aaggggggga cccccggggg ggaaaaaaa aattgggggg tctccccccc 180
ccgcgccaaa ttgttttccc caaaaaaacc ccctggggg gggtttgggg ggaaaaaaa 240
aaaaccccc cccccggggg gccccaaacc ccgggggggg ggggggccc ggggggggg 300
gggccccctg gggggggggg aattgggggg ttttggggcc caggggcc 348

<210> 7712

<211> 491

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h09a1

<400> 7712

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 atcgataatg acaaaggagg aggttcagcc agttatttgt ccagggtggaa agcagctgga 120
 atggactgcc tccactttat tactgagagc tgttctgtgc aaaatattac ggagaactca 180
 gttagaatat tgggtggtttt tcttggtgtt accaagggcg aggatggttc tctctccaac 240
 caagacaagt caaagggtttt atttacaaca gaaatggcat atacaattta tgcttctggg 300
 gatgtcatta tagaatgcaa tgtgaaacca aaccctgatc ttcctccttt gccacgtgtg 360
 ggaatcgagt taaatgtgga aaagtctttg gatcaagtaa cttggtatgg aagaggacca 420
 tttgagtgtt atccagatag aaaagctgca gccctgggtg cagtctatga acataatgtt 480
 agtgagttgc a 491

<210> 7713
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086h09d1
 <400> 7713

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 aaggatagaa atacataatt tgcactgaaa aaaggagca aacgtacata tcattagaca 120
 gaacagtgaa acacaaggac tgcagttaaa tataaaaact tccactttgt atttcacgtt 180
 tcaatggaag tattttccaat atcatcgctc caaatcacca tccatatttt gcttgtgttt 240
 cagcttttgt aagcatgccc tttgcacgcc gtcagtgag tttcatttcg ttttgtttca 300
 tatcaaagta caatgaacca atttgatgct tctcttctgt cagctttgta ggcttcccct 360
 ttgtcgaagc aggctgataa gtgggtccga atgcaatccc agttagcttg gcctgatcct 420
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 catgcctccc 490

<210> 7714
 <211> 491
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220086h10a1

<400> 7714

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tctctctctg agcactgttt gtgtttcagc cccccccat ttttcattct tccaaacaca 120
acaacagagg cagagagaat cagagaaagg agtattaaat agttgattat ttcacagata 180
atgaacaata aagatggaaa accagtcacc cagccagaca aaagcaggat tgtctctatg 240
gcaatcatat ttgtggtgct gtgtggattt tctttctata tgggtataat cttttgttcc 300
gagaaggaca gatttgtgac aatgtacaac cagaactcca ttgaatcccc caaggagtca 360
tcaataagtt ctctgcaaat taaatacacc agttttcctg aatgcagcgc tgactatcaa 420
gattacactc catgcacaga tccaaggaga tggaggaagt atggctcgta tcggcttaag 480
ttgttggaac g 491

<210> 7715

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h10d1

<400> 7715

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tccacattat taaatcaagc ttccaaccaa aatgattgca tgggatcttt acaccaatag 180
cttccaagtt tctttgtagt ccttagtaag cacaccagtc tttggtcttc ggtcttcggt 240
cttctacaag atgtttattc ttgaatagaa caagtcattg gatccaagaa atcaagagtt 300
ttgaaactgg gatttgtaga tgtcatgacc agaagtggct ggatttactg ggcacagcct 360
aacagagaat gagtatggca caggaggaat caaatactgt tcgtggacac atggcgacca 420
actatcatct ccaccaatc ccatgtgctt gtgatctaga tgaatctcaa t 471

<210> 7716

<211> 492

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h11a1

<400> 7718

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 accacatgat ggacgcggct cggaagagag cgcaacgacg cgccgcttac ctagccaaga 180
 ggcgcgggcga tctcaacaa tctattcagc tcgtctggct ttcgaagccg aacctatcgc 240
 gacgacgtc tctaccaagc cagcacgat cagcagggcc tgataccttg gaat 294

<210> 7719

<211> 440

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220086h12d1

<400> 7719

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 ttggcagaaa tgaaagccat atattaatat ccatttcata ttataaataa atgccacaca 180
 aacttcgtca gccttctact cgtatatagc attccatcag tgctttgatc gatttcttat 240
 cctgggagat cgagaataag gagacggaga acgtgtgcga gaaggggacc gtgaatgaga 300
 actagaataa tatcttctgg aacttctgct tctacttggc cttctactgc gccggatatct 360
 tcttggaggg gaaccgctga aactcctgct gcggcttgcg catctatacc gactcaatct 420
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<210> 7720

<211> 462

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220088a01a1

<400> 7720

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 atggttccaa ccaagcccat ggtggttgaa actttctctg agtatcctcc ccttggtcgt 180

tttgctgtga gggacatgcg tcagaccgta gctggtggag tcatcaagag tgttgagaag 240
 aaagacccca ccggagccaa ggtcacaaag gctgccgcca agaagaattg attgcatttt 300
 ggcaattttg ctagcacatg tgatcatcaa cgtgggtttca aaaaaacttg ttcctttaca 360
 gtagttttatc tatgcagagt cttaggtggt tgtttttacca gttatatattt gaagtgtccg 420
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<210> 7721
 <211> 555
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220083a02a1
 <400> 7721

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 ggcagtaaac taggttggtg gagttgttct gtctgaaacc gaaccacatt ccaaagatag 180
 ccgttgatcat tgtcagaagg agaaggcatt gcgtttttaga aagcgatacc gtgagagaca 240
 acaatgcac gcgctagggt ttgattatat tacgcagatc gaaactcccc ccaacgggtgt 300
 gttgaagcgc attttgcaat ttcaataaat aaataaatgg gagaaaaatc gaggtccaaa 360
 ggagggtgct gcggttggtt catcgcggtc gtcattctgg ctctcgtcgt cggtgccatt 420
 gtttttaccg ttaagaagaa atttagtcac tccggttccg ataagcctgc tcctgggtcc 480
 ggtccccctg gcgccgttga ccaaaaatac tccactggac ttaanaccgc aatgcaattc 540
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<210> 7722
 <211> 573
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: jC-gmf102220088a03a1
 <400> 7722

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 caacaacaac aacaacaaca aaaattacaa tgctcacaat aacaggtaca atacttacaa 180
 caacaatgct gtttagcaggt acaatggtga gagggcaagga atgagtgaca caagggtttt 240
 ggaggggtgga aagtactttt atgacgttgg cgcggagaag tacaatccaa caaactatgg 300
 tgactcgtct aggggaagtga acactaacia ttggtacaac aacagaggtg tcaactacaa 360
 tggataccag aaccaggagg agtttgaaga tgagcataag aactttgagc catgagcttg 420
 gatcactggc aaagtgaaga attcaccata cttaattttg agtatccact atgggtgttt 480
 aatgttttta aagagcttta gattcaagaa aacacaaagt taaaggatat gttaactatg 540
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<210> 7723
 <211> 524
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220083a04a1
 <400> 7723

taaacaataa aataaaataa aacagaagag aaggaaacag aagtaaaaaa aaaataaaat 60
 gggttacaca agatcttctc ttctgtccgt ggctcttgtc ttggcattct gttcaagcat 120
 tcagggtttg gacatcacca aattggtggg cgaatatccc gaatatgcac agttcaacaa 180
 atacctaact gaaaccaagc tggcggacca aatcaacagc cgtaacgccg ttacagtcct 240
 tgcccttgac gacgccgcaa tggtttccct ctccggcaag tcgcaagacg ccgttaaggc 300
 catccttagc acccatgtgc tcgtcaactt ctacgacgag aagaagctga tggaagccga 360
 aggtagtcgc accaaggctc aaaccctatt ccaatcctcc ggtgtcgcca agcccaacca 420
 gggttacatc tacgtggcgc tcatcaacga gggggagatt gcgttcgggt ccgccgacga 480
 cgtaccgaat gcacctttcg aggttgtgct tgtgaggtcc gtga 524

<210> 7724
 <211> 576
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220088a05a1

<400> 7724

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 aacatgggag gggtcacagt agaagaggca cttagtactc agagattatt catattagat 120
 taccaagatg cattcatccc atatttgacg aggataaaca gcctacctac tgcaaaagct 180
 tatgccacaa ggacaatcct gttcttgaaa gatgatggta ctttgaagcc acttgctatt 240
 gaattaagca aaccacatcc agatggagat aatttggggtc ctgagagtat agtggtgttg 300
 cctgcaactg aagggtgttg tagtacaatt tggctattgg ccaagggtca tgttattgtg 360
 aatgactctg gttatcatca gctcgtgagc cattgggttaa atactcatgc agtgatggaa 420
 ccatttgcca tagcaaccaa taggcatctc agtgtgctcc accctattta taaacttctt 480
 tatectcact accgcgacac cataaatatc aatggacttg ctaggcagtt cctgattaat 540
 gcagatggca ttatagagaa atctttttgc ccgaaa 576

<210> 7725

<211> 508

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220088a07a1

<400> 7725

aaagaactta tcaaaatddd cttcaacatc accattacaa aaattggtga taaactcaaa 60
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 tgcaagcaac tcatggatct ttctattggg gaattaacaa ggtcacttga tggaataaat 180
 gagtttaacc tcataaatgt tgacaaaatc ctcatgaatt taaaagtttg gcttagtggt 240
 gcggttacat accaagatac ttgcttggat gggtttgaga acaccactag tgatgctggc 300
 aaaaagatga aggatttggt gacgataggc atgcatatga gcagcaatgc ccttgccatt 360
 gtaacagatt tggctgacac tgtaacgat tggaatatca caaaatcatt tgggcgtcgc 420
 ctacttcaag attctgagct tccgtcatgg gttgatcaac atagacttct taatgaaaat 480
 gcaagtcctat taaaacgcaa gcctaattg 508

<210> 7726

<211> 588

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220088a08a1

<400> 7726

gattgatcga gagaagagaa gatgactaca cgcttcaaga agaacaggaa gaagagaggc 60
cacgtgagtg ccggccatgg ccgcacggg aagcaccgga agcaccctgg aggacgcggt 120
aatgccggag gcatgcacca ccaccggatc ctctttgaca agtaccaccc tgggttcttc 180
ggcaaggctg gaatgcgcta ttttcacaag ctccgcaaca aattctactc tccgatcctc 240
aacatcgaca agctctgggtc cctgggttccg caagaagtga aggacaaggc ctccaaggag 300
aacaaggcgc cgctgatcga cgtcacgcag ttcgggtact ttaaggttct cgaaagggt 360
gttttgccgc agaaccagcc cgctgtgtgc aaagctaagc ttatttccaa gatcgctgag 420
aagaagatca aggaggctgg cgggtgctgtt gttctcaccg actgattnta tagacgggtat 480
cgctttttca acgatttatg gttttttttt tgatatgggtc tgatacgttt cgtttggatg 540
acgttgtgtt agtcaatgct acattaggat taaataagggt ttattttt 588

<210> 7727

<211> 519

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220088a09a1

<400> 7727

gtgaaacaag ctccaaatat tctcacaatt gccttgaaaa gatttcagggt ctgagtaatt 60
tgatctggat gatcttgcca agttgttgag agatgtttta agtaatataa atatcagttc 120
ttatgatttg ttctaatttt gccttcttga aatgtgcctc gagtgtaaat tgtatgggtg 180
ttagtttacc atgactatgc accatactgt acgattacat tatttctttt tcctgctagt 240
acttataaag gattgaatac tacttgaatg ttttttgaat ttgtcaactt ttctcatgat 300
ttttctgggg cattgtgaac atgcagagtg ggaggtttgg aaagcttaac aagagagtaa 360
ctttccctga gacttttagat cttagtcctt acatgagtga agttggagat ggatctgata 420
tttataagct atatgctgtc gtagtacata ttgatatgct gaatgcttca ttttttgggtc 480
attacatctg ctacatcaaa gatttctgtg gaaactggt 519

<210> 7728
 <211> 386
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088b01a1

<400> 7728

gttggtggcc ttgcagaagg tagcaatagt ggtagtgccg agaccagtag aaaatgggca 60
 aggcaggggt tagatcttaa tgcaggacct gtaggttcag atgtggatgg gagagacggg 120
 aattctcctc ttccatctag gcaactttct gttgctagtt cacaggccct agctgaggag 180
 caagtaaggg tccagctggc tggtagtggt cgtaagagga aggagcctga tgggtgggtg 240
 gatggccaca accaatcctc atggcgatag ccaaatttat tatectacaa tctaatagacc 300
 acaaatagctt tgatttgagg atttggcaat ggtcaacttt cagcgatcat tcaatttttg 360
 cttttgggag aattgggtgg taagtg 386

<210> 7729
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088b02a1

<400> 7729

atagcccaag ccctatacaa ccaaacccta acacacaccc atttgattca gtttccatgg 60
 cttagcctcaa ggttgcatth ttggctgcag tgctctgcat ggttggtgtg agtgcaccca 120
 tggcacatgc agctatcacg tgcgggcagg tgacgaatag cctgatcaat tgcacgggtt 180
 acctccagaa cggaggaacg ccgtcgtcgg gatgctgcaa cggagtgaag agcctcaatg 240
 ccgacgcaa gaccaccgcc gaccgccaga cgggggtgcaa ctggcttaag 290

<210> 7730
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220088b03a1

002220"ETTES60

<400> 7730

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 ttgagagatg aagctcattg cactgagttc tacgggttcgg cgcgctctgc tcaatggctg 120
 gaacccaaaac tgtaaccgcc taggttcggc ggcggagacg aggctactct gcgctggcgg 180
 cgcaaatgga gggttcttct actggaagag gacgatggct tcgccggcgg aagcgaagtt 240
 tccggagaag gagaaggccg aggctgagaa gagcgtggtg gagtccagtt attgggggat 300
 ttcgaggccg aaggtttcga gagaggacgg gacggagtgg ccttggaact gcttcatgcc 360
 ttgggagact tatcgtcaaa cgtgtccata gatcttacta agcatcacgt gccaaagaat 420
 tttctggata aagttgctta caggacggtg aagctcctca gaattccaac agatttattt 480
 tttaagagac gttatggttg ccgtgcaatg atgctggana ccgttgacgc tgtccctggc 540
 atggt 545

<210> 7731

<211> 218

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220088b04a1

<400> 7731

gctccagtaa aagtatgtga tatgcaatct aaggctctgg aaatcgcgat tcttcatatg 60
 gggagacact aaactcattg cactgacctc tactgttgga cgcgctttgc tcaatggcat 120
 ggaaccaata gttcttacct cctatgtttg gcgattgaga cgaggctact cagcgttgga 180
 ggctgcgaat ggaaggttct gctactggat caggacta 218

<210> 7732

<211> 553

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220088b05a1

<400> 7732

gagagagcag ggcaagtccg gcggatccgc cggaggaggg gcgacgccac ctgcgaagag 60
 aggccgtccc ttcggcagcg gtaacaacag ttctctgcc gctgcttcag ccgcggattc 120

ggcggctccg tcaaccctcc ttggtccttc ccttcacgtt cacaactcct tcgccgatca 180
gaacaacaaa agaattgtct tggctcttca aagtggctcg aagaatgagc taacatgggc 240
tttgaataca cttacgtgc tctcctttaa agaaaaggat gacatgcgca aggatgcgac 300
tccccttgcg aaaattcccg gcttgcttga tgcgctccta caaatagatg attggcgtga 360
tatagcactc ccgaaggaat ttgccaagac aacgaggatc aggactttag gtgcaaattc 420
tgatgtaagt ggatttggga gtgaatatca agcgtgggc tcaactggta ctccccaccg 480
acctggtgta agatctggct ctgctggtat agaatcaacg ctacagaatg gcatggcana 540
atctcggttt tct 553

<210> 7733
<211> 520
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220088b06a1
<400> 7733

agattaccaa aaattacgac caaggaaacg cagattctga tgatgaggaa atacaagctc 60
tattgaaaaa gttaaatttt ataccaacat cggttttcac aacggacttg ccttacgtgg 120
atcttctgga tcgtgtacat aaggcatagc tgaagcttag atccaagggg ttatgggatg 180
taccttatcc gtggctcaac ctttttggtc caaaatcaag gataggggac ttcgacaagg 240
gtgtgttcaa gggcattctt ggaaataaga caagtggacc tatcctcata taccctatga 300
acaaaaacaa gtgggaccag cgaagctcgg tggtgacacc agaagaggat gtgttttacc 360
tgggtggcatt tctaagatcg gcattggata ctgagacgct ggagtacctg actaatcaga 420
accgtcaaatt tctgaaattc tggcatgata tagagatcaa tgtaaacaat acctgcccc 480
ttcactacgc agcaagagtg gaggaccact atggtgatag 520

<210> 7734
<211> 100
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220088b07a1
<400> 7734

cgcaaacaga atattgtggc ttatccatca tacctctaga actagaggca gagcaatgac 60
 tgggatcata cttagacagg atgccttcgc aggaagtcac 100

<210> 7735
 <211> 110
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220083b08a1

<400> 7735

cgcaaacaga ctatdddggc ttttctacca taccgctaga aagagagaca gagaaattac 60
 tgggatcata atgagacacg ataccttagc aagatgtcag tctcaatcag 110

<210> 7736
 <211> 109
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088b09a1

<400> 7736

cgcaaacaca atactcaggt gtttctatca aacctcttgg actagagaca tagaaatgac 60
 tgggatcata cagatacacg atgccttagc aggatgatag tctctatga 109

<210> 7737
 <211> 377
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088c01a1

<400> 7737

attcaacact catatcctta tctgtttct ttcaatggaa gtcatttctg cttctagctt 60
 gaatcccaac gctccgatgt tctgtccact cgcctatcgg acggtggagg atttctccga 120
 ccagtgggtg gacctcgttc actcctcccc ctggttcgc gactactggc tccgcgagtg 180
 cttccaagat cccagttcc aaaacgacga cgctttcgac ttcgactttg acctagatct 240
 ccaagatgaa gatgaaaggg aacgaaagga agggaaggag gtggtgtcgt tggggctgct 300
 gaaatggcga agctgtggag gaggatgggc ccaggcgccg aggtatgtgg aaaaggcccc 360

caagtttgtg aagccca

377

<210> 7738
<211> 458
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088c02a1

<400> 7738

gcaatatctt tatgatgata gtgggaggcg ttaccttgat gcatttgcg gaatagttac 60
tgtttcttgc ggacattgcc accctgaaat tttgaatgct atcacggagc agagtaaact 120
tctgcagcat gctacaacca tatactaca ccatacaata ggtgactttg ctgaggcatt 180
ggcagcaaaa atgcctggaa accttaaggt tgtttatatt gttaaattctg gttcagaagc 240
aaatgaatta gcaatgatga tggcccgttt atatactggg aatctcggtg tgatttcttt 300
gagaaatgca tatcatgggg ggagttctag tacacttggg ctgactgctc tgaactcgtg 360
gaaataccca attccagagg gccatgttca tcatgttatg aatccagatc catatcatgg 420
agcctttggg acagatgctg ctagttatgc aaatgatg 458

<210> 7739
<211> 467
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088c03a1

<400> 7739

ttagagaaat tgaggaatca aaattagggt tcaaaatctc attgaggaga aagaagaaga 60
aggatgtggc acgaggcgag aaggctggag aagaagggtc acgacatgat ggacgagggt 120
cggaagagag cgcaacgacg cagccgatta cctcgccaag agacgcggtg atcctcagca 180
atccattcag ctcggttggt ttcctagccg aacctatcgc gacgacgctc tctaccaagc 240
cttacaggat cagcagggcc tgataccctg gaatgggaaa caggatgtat tgatagaccg 300
attagatggg cgtgctctac ttgatttcgt tcgtgaatct agtaacaggc tcgcttccga 360
agaagtctga aactaagaa tagttatgaa gagttagaca attctgaggc ttatcgggaa 420
ttaataaagc atcgacgtat aggatgtcgt aactgatgac gaggggtt 467

0953113.032200

<210> 7740
<211> 561
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088c04a1

<400> 7740

cggaaagctt agcttctgca ctacatgaag tatctgcaga agctagagat gccaaagaaa 60
atctactaaa cattcaagct gatagtgaag gctatgatgc tcagattgaa gacttaaagt 120
tagtcttaaa agctactaat gaaaaatata agtccatgct tgatgaggca cgacatgaga 180
ttgatgttct tgtatgtagt attgaaaatt ctaagagtgc ctttgagaac tccaaggctg 240
agtgggagca gagagagctt caactagtga gctgcataaa gaaaaatgaa gaagacaaag 300
tgtcactgga caaagaaata ctaagattgc tgtatttgct taaagaaacc gaggaataat 360
ctgatgccaa cagggaggaa gaagctcaga tgaaggaaaa tctgaaagaa gttgtggctg 420
aagcaatata actggacgac gctattaagg aaacagcagc tgagaacatg aaattgaagg 480
acaacttatt ggataaagaa catgacttgc agtgtatgtt tcatgagaat gatgaactac 540
gaatcaggga agctgaatct a 561

<210> 7741
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220088c06a1

<400> 7741

ccgttaccta aaactcattc ttacctgca actatttggg ttgctgatat gtgttaatac 60
catatttact gatattggcg cattcctttg agaaagttac taattcctag atagaggcaa 120
aaatgttggg aattttcaag gagaagttgg ataaagcacc caaagagctg aacagtccag 180
cttcattgaa ttcatgcaat aatcctaagc taagtcacga aatccttcac gatttcattg 240
cctgcgattc ctccaatgct ttctcaatgt gctttgggaa tgaagctttg ctacgctatt 300
ccccttcgaa caagccctgc attcatcaca gggtgtttac tgggttggat aacatatact 360
gagtattcct ggggtggactg cacaacctta gcatgctcaa caagcagtaa gggctatcaa 420

aggggaacaaa tgaagccatg tttatcact

449

<210> 7742

<211> 105

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220088c07a1

<400> 7742

ccaaaacaga attctctggc ttatgcacca aaccgtatgc atgtaagcca gaataatgac 60

cgtgattaca gatagacacg atgccaatgc aggtctggcc ctcac 105

<210> 7743

<211> 171

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220088d02a1

<400> 7743

ctcttctctt ggtatatatc aatctacacg attaaagtca aaantgngtc atcanaactt 60

ctcatcatct acttaaatnt acaatatata atatactctt cattgaattt gtgtactagt 120

cattaacaat cagcataatc ataaagagt taggtacata tacatgattt a 171

<210> 7744

<211> 561

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220088d03a1

<400> 7744

gacatggtcc taaagtctgg cctgagatga atataaaatg gactaatctt cttctggctt 60

gttttcttca gaatcatggg gggtacacag agttacaaat tgctgcaaat ggaataactt 120

ggtttcttca gtggcttctc tctacctctc acctgaaatc aacttgtaat cttcatgagc 180

ttgcattgaa ttgatacttt gataaagatg gatgggaaaa aatctctaca aataactaga 240

agtggtactg gtgcttatga tgatgatgga catgccaaaa ggactgggaa tttgcagagt 300

gctgtagctc atatcattac tgctgttatt ggttctggtg ttctctctct tgcattggagc 360
 acttctcagt taggatggat tggaaggcca attgcattgc ttgtttgtgc aattgttacc 420
 tatatttctt cattcctcct gtctgattgc tacagaactt ctgatcctgt cactgggaaa 480
 gaaactactc ttacatggat gctgatatag ttactttggt tataaaatga catgtgtatc 540
 tgggtttctt caatttttga c 561

<210> 7745
 <211> 343
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220088d04a1

<400> 7745

cacacacact ctcatagctg tagcggcgctc actaagatcg gagaatgaat ggctatgact 60
 gacgtcgttg ctgctcttta cactgctcct taccggaacc ctagctctca tccaggcgaa 120
 gaaatccgaa ggacgatctg aaggatgaga cccacaaggt ttactttgat gttgacatta 180
 atggacaaga agcaggctgt atcgtaatgg gtctttacgg gaaggcatga accagacact 240
 gcagataact ttgcgcgact ttgcacacgg gaaaaggga ctggctaata caggaaagcc 300
 tctccattac aaaggctcgt caacatatgc aaccattcct agc 343

<210> 7746
 <211> 185
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmfl02220088d06a1

<400> 7746

ctcacccaat attatacgta tcataactat aactctcttc atcacaccag aatactccac 60
 tatcgnatcg caactacaca tgtatacttt aatagtccac gtacaatact gacgatctct 120
 atcattatcc tatcatcttc tcatatagaa caacgatgta tgtactatgc aagatctatg 180
 acgtt 185

<210> 7747
 <211> 105

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088d07a1

<400> 7747

cagcaacata gacctctggc gtaagcctcc tacagcatatc atgttagccg gcatagtgac 60
 cgattttgcg gatattcacg atgtcaatgc atgtacgaca taact 105

<210> 7748
 <211> 414
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088d08a1

<400> 7748

ccaaaataga tacctctgga ttataaggaa acagactttc atcacagatg gaatgggtac 60
 cacaatatct cctcttctgg ccgaggctct tggcctggca tcccgatcag gcattcacgg 120
 tttggacatc accaaatggg tgtgcgaata tcccgaatat gcacagttca ccaagtacct 180
 aactgacacc aagctcgcag accaaatcaa cagacgaaac gacggtacag tccttgccca 240
 tgacgacgcc gcaatggctt tcctatacgg caagtcgcaa gacgccgtta aggccatcct 300
 tagcacccat gtgcttgta acttctacga ctataagaag ctgatggaag ccctaagtag 360
 ttacaccaaa gtcgaaaccc tattccaatt cttcgggtgc gccaaagcca atca 414

<210> 7749
 <211> 230
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088d09a1

<400> 7749

ccaaaacata atgctcagga ttatgtctgc aaccggatgg accaatgagg gaatggggac 60
 ctagatatca catatacagg aggcctgtgt aggtagggat tcttgatcag acattccctg 120
 tatggatgtt tcccatttat ggcgagaatg atctgactac tcacagctca acctgtgcct 180
 acatgggacc tcgttgtctg actagatcaa catactatgc gacgacgtgc 230

<210> 7750
 <211> 365
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088e01a1

<400> 7750

gaagcatccc ctggacctca tgattctgac tacattttta gggagtttat agagctaatag 60
 aagcaaggga aaaacagaac aaagggaagg ctacaccaac tatcaacagc acatgctttg 120
 gatgcataag tagttgaagg aagctgctcg cgttcggggc aaaaagaata atgcatctgc 180
 tgaaaaatta cgaagttatg agtccattac tatgattttg tagatgagtt tattaagggtt 240
 tcctagggat ccataaagat tatgattttc tcatgctcgc gttcggggcca tgattgtcat 300
 aaacctcaat gaggtttaat gtacttatta cttatcgcta tcaacactaa attttggttg 360
 ctggt 365

<210> 7751
 <211> 500
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220088e02a1

<400> 7751

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 tctgtatcga caattctgaa tggatgcgta acggagatta ctctccttct cgatttcaag 120
 ctcaagcaga cgctgtcaat ctcatatgcg gtgctaaaac gcagtctaata ccggaaaata 180
 cagtgggagt tctcacaatg gctgggaaag gcgttcgtgt tttggttacc cctacccgtg 240
 atctggggca gaatctttac ctggcatgcc tggactaaat ttaggtggtg aggatgaacc 300
 tacctgcttg ccattcaggt ggcccaatgg gttctaaagc atcggcaaata taaaaggcac 360
 cagcggagga taatggcctt ggctggaagt cctgtcaagc ttgaaaggaa aatgctggag 420
 atgataggaa gaaagttgaa aaggaatatt gttgaactgg atatggttaa ttttggtgaa 480
 gaagatgagg ggaagacaga 500

<210> 7752
 <211> 547

095413-032200

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088e03a1

<400> 7752

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tgcaaattgga accattaaaa ttcagtagtg cttattcatc aaatgaggaa ttagattctc 120
tggaatttag gaaggtggtg tgcaaaggat attttgatga taaaaaatca atctatgtgg 180
gaccacgttc aagaagtatt tcaggaatca ctgaaaatgg ttactatata ataacacctc 240
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gggttccacg tagttggaaa gacaaatttt tagaggcttc agaagatgaa gatttggaag 360
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gaaagcctgt tattgaagat caagttgcat ctgctacacc tatagaagtt gttggcgtag 480
ttcgtgaaag tgagaagcca agcatatttg tttctgcaaa tgatcccaag gctatcagtg 540
gttctat 547

<210> 7753
<211> 602
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220088e04a1

<400> 7753

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ccctcttttc cttgcaaaca tcataccctc cgtctcagac cgtctcagt ctgagccgct 180
tcaaccccaa cccctccat ccaagccgac aaatccccgg tctccgccac tccctccaag 240
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ctaatcatcg gtggaatcaa cattccccac gatagagggt gcgagggtca ttccgatggt 360
gacgttctgc ttcactgcgt tggtgatgag attctagggg cgctaggtct tctgatatt 420
ggccagattt tccccgattc tgatcctaag tggaagggtt gtgcctcttc cgtcttcac 480

002220 E T T E 560

cgaactcttg tctcaaaggt tccatgtgcc actctcagaa actttctttc aaatttgcaa 360
gaggttattc ttggcaccaa gctttccatt ctcaatcttg ctaattcagc tgccatcggt 420
gctgaatgct ttggctttgg aagaccttgg atttttatat taagcttact tggacttaca 480

<210> 7756
<211> 104
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088e07a1

<400> 7756

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cgattctgtg gttacacccg atgtctctgc aagtaattca tcac 104

<210> 7757
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088e08a1

<400> 7757

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cgatattgta gatattcagg ctgacagtgc aggacgggag tcaca 105

<210> 7758
<211> 94
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088e09a1

<400> 7758

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ccttattgta catagacacg atgccaatgc agga 94

<210> 7759
<211> 440
<212> DNA
<213> Glycine max

002220.ETTESD

<223> Clone ID: jC-gmf102220088f01a1

<400> 7759

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aaatctgcag tctatctgca taccctttgg agaagcactg actaatgaag agccttgcaa 180
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taacgggtatt cttcaccttg tagaagtatt ttctggacgt aacagggttg tgctcactca 300
aatgcttcaa tgtgctctta aacttggttg aatggcaaat caatgttgat ccaatttatc 360
cttaagtacc ctgcacttca caaatgactt cctggcttaa gctgggggga aattccttgg 420
cttccaaaca catataactc 440

<210> 7760

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220088f02a1

<400> 7760

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gaagcttttg taggtttcag ttgttgctcag gtacagaacc taatgagttc acttttgcta 180
ccgtgcttac ttcattgata gggtcttcgg gttttgtctt agggaggcaa atccactctc 240
atatcataaa attaaattac gaagcacatg tttatgttgg aagctcactc cttgatatgt 300
atgccaaaga tggtaaaatt catgaagctc gaggcattt tcaatgcttg cctgaaagag 360
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cattggagct atttcgccgg ttgcaaagag aaggaatgca atcaaattat gttacttata 480
ctagtgtttt aactgcactt tctgggcttg ctgctctaga tcatggcang caagtgcaca 540
acca 544

<210> 7761

<211> 555

002230 ESTT560

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088f03a1

<400> 7761

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accaacaac gaccagcctt caatcctcga catctacacc gcctctgctc acggcgactt 180
taacaaattg agaaccttcg tcgaacaaga cggcgccctcc gtctctcttc ccgattctaa 240
cggctattac gctcttcaat gggcctcgt taacaacttt cacgacattg cgcactatct 300
cattcagcat ggggcggatg tcaatgctaa agacaacatg caacaaacgg cattgcactg 360
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tgaagctgca tacgtaaagt gataccgggc agttcatgtt gctgcacaat atggacaggc 480
agcttttctt aaatcatatt ggtattaagt accatgctga ttatcatgtg cctgattatg 540
atggatggag tcctc 555

<210> 7762
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220088f04a1

<400> 7762

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atgcaccact cttctttttc ttcagacacc ttcacatct gcataccgct tagctccaaa 120
aactacacac acaagaattc tgtttctttc tgttgatttg atggatccgc agatctaattg 180
gtttcacaca ctttcttcac tacggatcat tgtcttcttc atctggggca cccaatagc 240
ttcttctaatt cgatagtcaa attttggttg tttgtggttg atcatcttcg tcgttggtg 300
gactagttag gagtgcagga ctatacctat ctatatagtg tatgaaaatt ctgggggggtg 360
aagtcgtttt tggggtagtt gatagatgtt gaaatccttg acggttgatt ggtgaaatga 420
gggatgttat cgggtgtgat gaacttattg agggcctgct ttcggtcggg ttcggatgga 480

tttacacgtg caggttcgga tgccggtggt agacaggatg gactattgtg gtacaaggac 540
tcgngcagc acttgaa 557

<210> 7763
<211> 456
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088f07a1

<400> 7763

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ttctccgaaa gttgatttct ttcaggaaag ttctttctaa atccacgcct cctgcagacc 120
catatcgctt tttttcttca ttctaattct gcgccaccaa atttgcgac tttctgtgcc 180
ttcgaatcat ggagaaggaa gagaacgaac cccacgttca gaaaagtggc tgctaaagcg 240
aacacgctga acccatagtg ctctgttctt ttcaagtgcc cgagtgttac gtctacataa 300
tacctccaag aaagagtgc gcttcttaca gggttgatga atgggatgtc aacaaatggg 360
catgggaagg gatattaaaa gttactagca cgggagaaga atgcatcata aaacttggag 420
attagagcac aggtgaatta tatgctcggg catttt 456

<210> 7764
<211> 105
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088f09a1

<400> 7764

catatacaca attctttggc tttttcctac cacatcatag ctttctgccg gaatagggac 60
tcttatttta gatatgacac tatgccaatt caagtcttcc ttcac 105

<210> 7765
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220088g01a1

<400> 7765

002230-ETFE560

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gagaaactga gacacagagg atgagagaga taattagtat tcatatagga caagctggaa 120
atcaggtggg gaatttatgc tgggagttgc attgccttga gcatggaatt aaccctgaag 180
gcaccatgcc tagtgatacc ttaaattggtg tagcacatga tgctattaac actcatcttc 240
agcgagaccg gatccggtaa gcatgtgcc aagggtttat ttgttgatct ggaacctagt 300
gctatctgat gaaatcacga actgggtccct tacagacaat ctgttaaacc ctgagcaaat 360
aattgttggc caggaagatg ctgctaataa cttctcatgg ggacactaca ctgatggaat 420
agaaatagaa gaactatgcc atgatcgaat cagaaaatt 459

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<210>      7766
<211>      579
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220088g03a1

<400>      7766

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ggaaaggaaa gaaaatcgcc atcattggtg tctcaacctt attgttggtg gctatggttg 180
tggcgggtcac aattgggggtc aatctcaatg agaatggttc taacaatgat atagaggaca 240
acaagaaaaga tcatgttgct tcttcataa aagccgtcca aaccctttgt catcccacaa 300
attatgagaa agaatgcgag gaaagcctta tagctggggc tggaaatacc acagatccaa 360
aagaacttat caaaattttc ttcaacatca ccattacaaa aattggtgat aaactcaaag 420
aaactaatat tttgcatgag gttgaagagg aaccagagc caagatggca cttgacactt 480
gcaagcaact catggatctt tttatagggg aattaacaag gtcacttgat ggaatacatg 540
agtttaacct cataaatgtn gacaaaaatc tcatgaatt 579

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<210>      7767
<211>      570
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220088g04a1

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TO: JCRC
INFO: JCRC
SUBJ: JCRC
PRIORITY: JCRC
CLASS: JCRC
CITE: JCRC
REF: JCRC
EVAL: JCRC
ACTION: JCRC
STATUS: JCRC
REMARKS: JCRC

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<211>      470
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220088g05a1

<400>      7768
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<210>	7769
<211>	488
<212>	DNA
<213>	Glycine max

<223> Clone ID: jC-gmf102220088g06a1

<400> 7769

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attcttagtt ctttctatta atatttgaga ggagcaccag gaattgtttg gcactaaaga 180
gaaagtgaga gagggagatg aaataagttc gtactgaaga tggcgtcgag gcaaatggaa 240
gagattcgga agaaattggc tgaccttaat taccgagag cgaatgcccc tgcacagtcc 300
ctcctatttg ctggcatgga gcgctatgcc cttctagagt ggctcttctt tcggctttta 360
ggtgataagt cacccttttc tcaacaaaac atacaagggg atggccttga tcgtgatgag 420
gagacagggt gaattcagta tttggctgaa attgctaagt ttttgggtat tacaacaact 480
gttgatac 488
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<210> 7770

<211> 491

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220088g07a1

<400> 7770

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agaagaagaa gaagaagaag aatcaaatat ccttgagcca gacatgtaca ggaacgctgc 180
ttcacgtctt agggcatca gtgcccgttc gtgcagcagc agcaggatac ctgccagtgc 240
cagatttgca agttccgttg ccacacaaca atcctcttct ggtttgggtg gtttatttgg 300
atggctcact ggagaccgat ccagttcttt accatctctg gatttccgcg ttccgggcgt 360
tacacttccc ctttcattgc ctgattttgt tgcgcccga aaaactatta ttactacact 420
cccaaagga ctcaaagtgg cctctgaaac attaccgact cccactgcgt cggatggctt 480
atatgtagat t 491
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<210> 7771

<211> 531

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220088g08a1

<400> 7771

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 actcacacac caaacgatta tgttaccctt aacacactca atttcgaaaa cccatttcaa 120
 cagtaccacac cagctttctca aatctacctc cactcgtctc gcctcacgct tccaccgcca 180
 aactcatcat aactccgtag tctctctccc actttcttca ggaagcgact acaccctttc 240
 cttcaactta ggctcacacc cttctcaatc cataaccctt tacatggaca caggcagcga 300
 cctcgtgtgg ttcccatgcg ctcccttcga atgcattctc tgccaaggca aattcaacgc 360
 cacgaagcct cttaacatca cgcgctccca ccgcgtctcg tgccagtccc ctgcatgttc 420
 cacagcacac tcttgctgtc ccttccacga cctctgcgca atcgacgtt gtcctttgga 480
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<210> 7772
 <211> 590
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220088h01a1

<400> 7772

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 gaccgcttca gacaccaggc tcagagacca aaatatgact gccttctttt tgatttagat 180
 gacactttgt atccccctca atctggtctt gcaaaatcat gtctccaaaa tattaaagac 240
 tacatggttg agaagcttgg catacaccct agcaaaattg atgacttgct caacctcctt 300
 tacaagaatt atggaacaac tatggctggt ctaagggcaa ttggatatga ctttgactat 360
 gatgaatatc acagttttgt tcatggaaga ttaccttatg agaacctaaa accagaccaa 420
 gttctgagga acctgttgct gagcctacct tatagaaaac ttatcttcac aaacgcagac 480
 aaagttcacg ctgcgaaggc gcttaacagg cttggattag aagactgctt tgaaggaatc 540
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<210> 7773
 <211> 141
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220088h05a1

<400> 7773

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 ttataaatga tattttaattt atatgttata taaaataata tcttcataaa atagatgtag 120
 tagcaataca agatctatga t 141

<210> 7774
 <211> 440
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220088h08a1

<400> 7774

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 atccttccag ttgggggtatt acgctttcag cgaatagcgg tgaatataga aaccctattc 120
 cccctatgca ccaaggggaat tgattataga aataagaaaa aggcataaat gaaagaggtt 180
 gaaaaagaag tatgttaaatt aggtcattct gttgtttctc gtgtatctgg actcatgagc 240
 tgagctgcat tcagggaaaa gcatgtacag tatgaactct aaatgcagta ctggggattg 300
 ccagatattc tggatgttaa ggtctacacc attgacacca cagtttcttt gaaactgctc 360
 aaggcttagg cttctattta gactgatgca cctgctcttt gatatttaag agtgctaattg 420
 gatatttgggc tagttgattt 440

<210> 7775
 <211> 169
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220089a01d1

<400> 7775

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atataggtag gacctatgaa ttaaaattta gttgcattga ctctccactc tggaacatca 120
 cacatgattg tacaccctta aacgtatgtc ggtaataaca tactgagcc 169

<210> 7776
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220089a02d1
 <400> 7776

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 aacccgaccc ggataacctg gatatgcccc gttcccgaat atccccgtgc aggccgaatc 360
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<210> 7777
 <211> 472
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220089a03d1
 <400> 7777

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 ctctacagga gcaagagctc gcagctctga tgggagctta atccactgtt ggctgaaacc 180
 caaccataat aataatataa agcacaaact tcaaaggaac gaatgatttt tgctcaagca 240
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 ccaccagtgg agatgtggct catcttgtct gcaagtccaa ctttttccac agcggcaacg 360
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<210> 7778
 <211> 512
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a04a1

<400> 7778

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<210> 7779
 <211> 539
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a04d1

<400> 7779

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 aagcatggat cctctttggg gattttctcc ctttcgctga ttttgttgta gcatctgcaa 360
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gtggagtcac agaccttatc ttttctaact ctaaacttat ctgagatcta gtaaggatg 539

<210> 7780
 <211> 473
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a05a1

<400> 7780

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 tctcatggaa ggccttcagg ttctgacctt ggaggatgta gtttctgaag ctgatatctt 360
 tgtcaccacc acgggttaca agggcatcat catgatttga ccacatgaag aagatgaata 420
 accatggcct tgtttgaaca ttggtcactt agacaatgag atcgacatgc tgg 473

<210> 7781
 <211> 423
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a05d1

<400> 7781

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 ttcctcctta cccgtccac cactcgaac agaaattcta cggaaattaa aaataaaaaa 180
 agctaaactt cttttacctc aaatctgaaa agtctaaca caaaaattca aaaataggaa 240
 aattaaacaa tcaatccgct tcattaaacc caaggagtct ttccctcatt ttctgttgat 300
 aatcccaatt tcttaggacc tgtaatgagc aagcttgtat ggacccttaa caggcacact 360
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 aaa 423

<210> 7782
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: jC-gmf102220089a06a1

<400> 7782

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 tctactcttc cctgctatta atgtcaatga ctctgttacc aagagcaagt ttgacaactt 120
 gtacgggtgc cgtcactctc tccctgatgg tctgatgagg gctactgatg tgatgattgc 180
 tggaaagggtg gctgttgtgg ctggatatgg tgatgttggc aagggttgtg ctgctgcatt 240
 gaagcagget ggtgctcgtg tcatcgtgac tgagattgac cccatttgtg cccttcaggc 300
 tctcatggaa ggccttcagg ttctgacctt ggaggatgtt gtttctgagg ctgatatctt 360
 tgtcaccacc acgggtaaca aggacatcat catgattgac cacatgaaga aaatgaagaa 420
 caatgccatn tgttgcaaca ttggtcactt tgcaatgaga tcgacatgct ggggctggag 480

<210> 7783
 <211> 467
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a06d1

<400> 7783

ggacagaaac acataattta gtatttaata aagcaaaagc aaaatgcaca cacattcccc 60
 aaacaaaaca tgcttattca acccaaattg gtttcatatc acagaaacca acaggatgtc 120
 ttctcctta cccgtccac cactcgaac agaaattcta cggaaattaa aaataaaaaa 180
 agctaaactt cttctacctc aaatctgaaa cgtctaacta ccaaattca aaaaaaggaa 240
 aattaaacaa tcaatccgat tcataaaacc gattttggct ttccctcact ttccgttgat 300
 aatctcaatt acttagtacc tgtaatgagc aggcttgat ggaccctcaa caggcacact 360
 gatgtaatca gcctgggccg ggctaagctt ggtgagctta gctccaagtt tgccaagggtg 420
 aagtgcagcc accttctcat caagggtgctt gggcaaaacg taaactt 467

<210> 7784
 <211> 341
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a07a1

<400> 7784

gaggccctag atattattga agctgccgga ggctcctttc acttagtcaa ctgccatgtg 60
 ggtcaaaaca ttcaaggcgc atcattctct gaacttgaca ctggcgcaga tcacagggct 120
 gaggtggatc gaatcattga tgctttaact gctattgctc atacaactga acatgatgga 180
 tgatcagatc tagattctag tcaaatttca cttacacttg gtaaagttga agagaatggc 240
 atatagaatg aatctgaccc cagaaagaag gctgcggatc taattcttgg agctgggtctg 300
 gactgacaac cagctgctga gatgtgatct atcattcgga a 341

<210> 7785
 <211> 370
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a07d1

<400> 7785

aaaataaaac attgttttga taaaaatttt tgtccgacca aattaacaaa tatgcacaga 60
 caggccgaaa agaaaaaccg aaaaaaaga gggaaagggg gctgatggca tgaaaccggg 120
 tagagctaaa acctaccatt tacggggaaa caccaggggc cttatatacc acttaaaaaa 180
 aaggggggact ttacagaaa caactaagga tgacacaaca ttacacaaat tcaagaaaac 240
 ataaagctgg ccaaacggta taggcagctg caaaggcttg gcttaggtga gatgccaca 300
 ggaacaacct tacacttgga catgaatgca agactacttc ctgggcagaa ttaattaaca 360
 atagaatgga 370

<210> 7786
 <211> 491
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a08a1

<400> 7786

tcttaagcca ttggattctt ctagaaagag gaaaagtagg agcagagggg atgggactag 60
atccgtggct gagactattg caaagtggaa ggaatacaac gaacaccttt attctggcaa 120
agatgatagt agaacaactc caaaggcacc ggctaaaggt tcgaagaaag ggtgcatgaa 180
agggaagggg ggacctcaaa actctcagt taactacaga ggagttaggc agaggacatg 240
ggggaaatgg gttggtgaga ttagggagcc caatagagga agcaggcttt ggttgggtac 300
cttctcttct gccaggaag ctgctcttgc ctatgatgaa gctgctagag ctatgtatgg 360
tccttgtgca cgctcaatt ttcccgcat cacagattat gcttctttta aggaaatcgt 420
gaaggaaatct cccatggcgc catcgtcttc ttgttcttcg gcagaaactg gcacatctga 480
cactactact a 491

<210> 7787

<211> 527

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089a08d1

<400> 7787

agaatagtta ttatatatat atacattcca ctacttggtc agttttttata cacaaaaagt 60
gagcaacgat ataataact cgagatataa tagttctcca tggtagataa caaagaaatt 120
ttgtatccaa atcagtgtc aactatagtc agccaaacga cttcaaacag tctactctc 180
agctccacct atgtagttaa aggcagtcca atttgaatcc caaaaaacat gtaagtaaaa 240
agaattaaca aatattgtca cagctaaatt ctccatttta aaaaatctta cagagaatta 300
gcatattaaa agaacataaa caaatcaaat ttcttgatt agttgtatag ttgtattcct 360
cttatgcacc tgtatatagc taaaaagggg acaacaacct aagagacaga ttactagcag 420
atgctcgaac cagttgaaaa tgaggcagat gatagactta tgcacgtcgc cttctctagt 480
catccttctc tgcttgcag ccttttgaat cagggttcag atcatca 527

<210> 7788

<211> 363

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089a09a1

<400> 7788

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ggctgggaga ctgataatgt tgaagaaata gctttaaaga tttctcaatt gccaaaagca    60
tcagaaaaac ataaaaggat tactgttata acccaagggtg cagatcctgt ttgtgtcgct   120
gaggatggaa aagtaaaata gtatcacagg atacaatttt tttttgattt gtggaattac   180
tcttgttcct acctggttca gcacagcctg ctcaatctcc tcctcttggt ttttctcttt   240
ttgttttttt ataataaaaa gattcagttt ttttgtgttg tcgctgatac ctatttgcac   300
cttgtgttct ggggtcaatgc tgtcatgttc tctgcaaatt atggcttcaa tccgtgctct   360
ggg                                             363

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<210> 7789

<211> 559

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089a09d1

<400> 7789

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aacggaagat ctcaaaccgc tcttgtagct tgagaccaat ttctaacatc aataattcca    60
ctcataacaa gggaaacata gaggcagtgt tgggtctcaa tgcgaaaaaa caataacaat   120
tgtatcataa actacaactc tactttcatc tattttgatt tatagaaaag aaaacaagtt   180
ttttctagta aaaaggagag gacccttggg tgagttctca ggagcatggt ttaggaacat   240
gatacaacat ccgagaaatc tttcttcaga aggcatatct atgagggggc agaaaatagt   300
ccaccttggg ccataatttg gtaacaggaa gtgaagttga ttatgacatc atggctcatg   360
gcaattcaat aatatacatg aacatgattc cataatgctc gagatcgata gttcttggat   420
aaacagggtgc attagaattt agaaaatgtc tgtgacaaat tgaaactgga tatacttggt   480
acttcctgat ggagaggagc tcaaaactcc gcagaggatc atcgcggttg cctcttgtgg   540
atccagagcg catgtaaatt                                             559

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<210> 7790

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089a10a1

<400> 7790

ctctaataata cctgaacggt gaagtgaatt gcttgaaaga caaaaatgta gccgaaggaa 60
 atttttgaac atactgggat aggtgtcata gctcaagctc tacttggttg gcacagggac 120
 gaaaacaaat ggagagccca ctctctttga ttacgttttt ttcattgattt cttaataataa 180
 atcggactca tgaaaaacta gcacatatat atatatata 219

<210> 7791

<211> 471

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089a10d1

<400> 7791

gcccttagta cttaaacttc tgatttgata gatcgtaag cacggtcgag ggcaactcca 60
 catatatcat gctacagttt atgactctcg caaaggctta gtctgacgac ggctcggact 120
 gagcgcgata caaccttggc gcttctgacg taccctgcac tagtgaagct gtgcgccgaa 180
 ttccacatgt actccggcgt gatcaatgcc ttgtgattgt gctgcacttt cttgccgaat 240
 gtgtccaaca cccgactagg tctcgagtct gcgtgcatac ctatcttagc tgagcagggt 300
 tgggagcacc aagggtccaca cagcgggcta acgaactcgt atagcaccgc atatgactgc 360
 cagtacgatt gaaaggaatt gcctacggca taggacatga cgcgcaagac atcatagcat 420
 gaccaggtct ggtccattag ctcttgaaca atgctttcga cacatgccct c 471

<210> 7792

<211> 166

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089a11a1

<400> 7792

tacttcttca tcatcattgt caccaccact cacatagtgg aacagtagta tctaactgac 60
 atgtatctga caaggtaact gatccactga cattggaatt cccggatgaa aataggaata 120
 ggagcattaa agtgaatggt ctggctacgg tggatttgca aaacat 166

<210> 7793
 <211> 499
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmfl02220089a11d1

<400> 7793

agtcaaagaa gcaatagatt ttatttctaata caagggggca taggggtaca ccattttaag 60
 ggggggcaca atagaatata tatattccaa ggcacacaga tacagaagaa actggctaag 120
 tacatataat atagagctta agggaaatga actagtatta tacatacgac accaccttta 180
 gatgttggga gttcttcatt ctggttttaga tgcttattct cgtaacataa agaaaggggc 240
 ctttattata tgccttggca tgtaaactgt gaagatccat tgacagaaga gagggagcat 300
 gccggtgaac acattggatt catctaataat ggaaggagtt gtagccagaa ttctttgcaa 360
 tgttcatctg aattcttgcc cagacatcag catttctgca acggctatct gtaagggtgct 420
 gccctttgct tccactgcat acttcattgc aagtttcagc attgctattc cggcgccgct 480
 cgttatgtct ggccaagcg 499

<210> 7794
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmfl02220089a12a1

<400> 7794

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 gagaggcagg aactggaata gcagaactaa tagctcttga gatgtcaaag cagacaaaga 120
 cacctataga ggagactcgc aagaagatat ggcttgtaga ctcaaagggt ttgattgttg 180
 gttcaagaaa ggcttcactt caacacttca agcagccttg ggctcatgag catgagcctg 240
 taggcagtct cttagaagct gttaaggtaa tcaagcctac agttntgatt gggtcacag 300
 gagtgggaaa aacatttaca aaggaagtaa ttgaggctgt gacttctata aatgaaaaac 360
 ctcttggtct ggctctctcc aatccaactt cacagtctga gtgtacagct gaagaggctt 420
 atcaatgga 429

<210> 7795
 <211> 443
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089a12d1

<400> 7795

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 ttttggggga agaaaaccaa aatttcataa tacaaagcat tatatggttt attacgacca 120
 aagctaaccg ggttttgccc cataacaaaa aggttacttt acccgcaatt ttggggattt 180
 cactgaaaat tgcctaaaac ccctcacttt ggcctaagtt tcctaaaaca acttacacgt 240
 gcccccaaaa catgggttta ttcccgccca aggcaaggga cttgccccat aattcaccta 300
 tagtttctgg gcacggggga atccctgcag ctctaaacct acttgacaag attctggggc 360
 cctgggaacc caatggccca gcctacgctc tatgccttgg cagctacact tgcggggatg 420
 tcagctgcaa attgcttggg gtt 443

<210> 7796
 <211> 517
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089b01d1

<400> 7796

gacccaaaat aataagatat tttcattatt tagcaaactc ctacatgcaa gacgataaga 60
 attacagtgt ttccaacaga tactattttc ttttacataa aaagcatcta aacactgata 120
 tacatatatt aaaataaaat aaaaacatct aagctttctt tggagacttg gtagccttgg 180
 atggagattt tggttcctta gcaacctgag tcttcttagg tagcaaaaaca gggttaatgt 240
 ttggaagaac accaccatga gcaatggtga caccagcaag caatttcccc aactcctcat 300
 cgttccttac agccaacagc acatgtctcg gaataatcct gttcttcttg ttgtcacgtg 360
 cagcattccc agccaactca agcacctcag cagctaggta ctcgagaact gcggccaagt 420
 aaacggggagc accggtaccg acacgctggg cgtaccttcc tttcttcaaa taacggccaa 480
 ttcttccgac ggggaattgg agaccggcct tgacgga 517

<210> 7797
 <211> 574
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089b02d1

<400> 7797

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 aaaataagca aaataaaaac accacgagca tggaattttt aatcgaagca ttttcaggca 120
 ataagttcat ttgggaacaa agaagacata agtgaagcaa caaatcaga ctactagta 180
 agccagcgga aggagttttc aaaagattcc ttttcctttg gccactgacc gagtcatttt 240
 ttgtatccaa atagaaacaa aaaaaaattg ccatccatat gaaatgagct aggcaataga 300
 tggcatattt tgagcttcat ttgagctctt tttggacttg tgctttgatt tcttctcccg 360
 cttcttgccc tcgtcatgag agtgatgacc ccaacaagac ttcagttttc ggttgatatg 420
 cttcaattcc ttctcagaag gacttttgta ttttctaacc caagaatcaa ttgcatccag 480
 tgattcagaa agctcggaca ttgtatgcat ggaattctca cgggaaaaaa taccctaag 540
 ataactatca aagtcaatga ctctgtggaa tgca 574

<210> 7798
 <211> 525
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089b03d1

<400> 7798

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 cgctaaggta acaacagcta taaagaaatt acaataaaga ttcaaacaat ggttctatct 120
 acaagaagga tatttcaata tccaaaaata taccctaata aaggtgaaac ttgcatagtc 180
 acaagagcct ccaatattgc aaactataga ctataccagc aaatgatatt tagctggctg 240
 gctgtcctac tcaattccac cgttcatctc tctcagagtc taattcttca aacttccatc 300
 aagcatggat cctctttggg gattttctcc ctttcgctga ttttgttgta gcatctgcaa 360
 aagcttgtgc agcctccgca tcagcttctg ctgcctctgc ttcttttgc gctcctctg 420

cttctgcaat ggcggcttct gcttcagcaa ctgctcgagc agcaaatgca gctgcctctt 480
gtggagtcac agaccttata ttttctaact ctaaacttat ctgag 525

<210> 7799
<211> 505
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220089b04a1

<400> 7799

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cagctttatt tgaatccctc tctctccttt ccaaatggcc agcgttgagg ttgcacatca 120
aacaccaaca acagttccag aaaatgaaac aaccgaggta atcaagaccc aggaaacaac 180
cccggaacca gtaccagcca ctgaggctcc tgcaacagaa caagcagcag ctgagggttc 240
tgctcaagaa gaacaacaag caactgaggt tcctgcccc gaatcaacca ccgaagcacc 300
aaaggaagaa accaccgaag caccaacaac agaaacagta gaaacaacaa ctacagaaga 360
agccaagcca gaggagccta aagaagttgc agttgagacc gaggaggtgg tgacaaagga 420
gacagaggaa gagaagccag cagcagaaga gaaatcagag gagaaaactg aagagtgaaa 480
gaagaagcag agagcctaaa gaaac 505

<210> 7800
<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220089b04d1

<400> 7800

aaagcgtcta taaaagaaaa tttttttttt taaaccctaa gaaaccccat taccctttt 60
ttaaaaattc ttgaccctt cccaaaaaaa aaacccttat tcctaaaatt ttagaccagc 120
aagaggttgg ttaatttaaa acccaaatcc caaaaatttt tatggtcccc ccggggaaac 180
cccctttttt ggggcccaag gttgggcca acccgggggt ttccctcat tattccaccc 240
aaggccttac ctttttttta aaaaaatttt ttaataaata aggttaccta agaaaattat 300
ttaaaaaaaa gcttttttaa ctggcattcc aaaagg 336

<210> 7801
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220089b05a1

<400> 7801

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tcaagaggag ctttgaactt gctaggcagg ggactgagtt ctgggttgtc acctaggttc 120
ctctctggat tatttacgaa agaaaagcca gagaagacta ggcagcataa agacgaaaac 180
attatcttaa tgggttcctt accaagcact atatgatcac aacctgtacg taagtgttat 240
ctgtctatat cttacgctga tcagctatac catacatttt attacatctt aggatgtttc 300
ttcaataatc actaatgtcc atgtattcaa tttttggatt tgtcattctt tgtaaaaata 360
aattatgtat agtgtgaaat catgtttctt c 391

<210> 7802
<211> 391
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220089b05d1

<400> 7802

gaagaaacat gatttcacac tatacataat ttattttttac aaagaatgac aaatccaaaa 60
attgaataca tggacattag tgattattga agaaacatcc taagatgtaa taaaatgtat 120
ggtatagctg atcagcgtaa gatatagaca gataaacactt acgtacaggt tgtgatcata 180
tagtgcttgg taaggaaccc attaagataa tgttttcgtc tttatgctgc ctagtcttct 240
ctggcttttc tttcgtaaat aatccagaga ggaacctagg tgacaacca gaactcagtc 300
ccctgcctag caagttcaaa gctcctcttg attcaccacc tctcttttgg cttgctctgt 360
tagttaagct ccttgtctca ttcaatctga g 391

<210> 7803
<211> 530
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220089b06a1

<400> 7803

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cccaaataca attgttgggtg ccatgggttg cggtcctgac aagcatgatg gcttccatga 180
tgttcgtaca aactacaatt acacagagcc aacacttgct ggaaatgccg gtttagttgc 240
tgactagtgc gcattgtcag gcgacaaagg cacatctatt gacaaaaata ccattttctc 300
tgctgttccc ccaatgtttc ctacaccgcc accaccttca gcgccatgga aaccataagc 360
tcacgtgccc attgggttatt tctttctagc aagtaccca gatgatatga gtgcaccgtt 420
aaccttcggt gtttgtatca acttgaagat agggtaattt tgagaaaaaa aagctggaga 480
agtggagcct ggcactgaat atagctggct ggggcaatga tcgactcaga 530

<210> 7804

<211> 397

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b06d1

<400> 7804

gaaactggca aacaattaca agctggtcag tttttcatgt tttaaagaata caagatttga 60
tttagatccc tgtttactat ttgagtttca caaaaattta aagggacca ctttcaagtc 120
ccactttatc aattcttaat gctaactctg ggtccttcat tggccccagg cagatatttt 180
cagtggccaa tgttactttt tccaagcttt ttttttttca aaattaccct ggtcttcaag 240
ttgtttcaaa accacgaagg ttaacggggc actcatatca tcggggggac ttgcttgaaa 300
gaaataacct atggcaccat gagcttatgg tttccatggc cctggagggg gtggcggtgt 360
aagaaacatt gggggaacag cataaaaaat ggggtttt 397

<210> 7805

<211> 461

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b07a1

<400> 7805

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 cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120
 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180
 cagaccgct caagtacttg ggcccattct ctggcgagcc cccgtcctac ctcactggcg 240
 agttcccagg tgactacggc tgggacactg ctgggctttc ggccgaccca gaaaccttcg 300
 ccagaaaccg tgagctcgaa gtgatccact ccagggtggc catgctcggg gccttgggct 360
 gcgtcttccc cgaactgttg tcccgcacg gggcatgtt tggagaagct gtgtgggtca 420
 aggcccggtc ccagatcttc agcgagggtg ggctggacta c 461

<210> 7806

<211> 509

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b07d1

<400> 7806

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 agtcatcctt ttctttcatg ctcacttgcc ggggacgaag ttggtggcgt aggccaggc 180
 attgttggtg actgggtccg caaggatgac agcaagggtc tccaatggac ccttaccggt 240
 gacaatggcc tgaacaaaga acccaaacat agagaacatg gccaatctcc cgttcttgag 300
 ttccttcacc ttaagctcag caaaagcctc tgggtcatca gcaaggccca atgggtcaaa 360
 gctgtcacca gggtagattg ggtcagtac ctcaccgagg ggcccaccag caatacgata 420
 accctcaaca gcaccatta ggataacttg ggtggcccag atggcgagga tgctctgggc 480
 gtggacaatg cttgggttgc cccagtagt 509

<210> 7807

<211> 483

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b08a1

<400> 7807

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 ccgccgaagt tcgacccctc ccagatcgtc gacgtcttcg tacgcgtcac cggcggtgag 120
 gtcggcgcgg cgagttccct cgccccgaag atcgggtcccc tcggtctctc ccccaagaag 180
 atcggagaag atatcgcaa ggaaaccgcc aaggactgga agggcctccg cgtcaccgtc 240
 aagctcaccg tgcagaaccg tcaggccaag gtcacggtgg tcccatccgc cgcgcgctc 300
 gtcacgaagg cctcaagga gcccgagcgt gaccgcaaga aaacgaagaa catcaagcac 360
 aacggctaca tctcgctaga cgacgtcatc gagatcgcta gggttatgag gccgaggtca 420
 atggcgaagg acctcagcgg cagcattaag gagattctcg ggacgtgcgt ctccgctcgga 480
 tgc 483

<210> 7808

<211> 436

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b08d1

<400> 7808

ggggccaaaa aaaaaactaa tcagcccata aaaaaatat cttttgaaac cttatttaa 60
 attatccaaa gggggaaaaa aaccttaaac aaaacgttcg atagttcccc caaatttatt 120
 ttaaaaagaa cccgaaacga tctgaaaaaa gaccaaagaa aaagagagaa agagagtaac 180
 aaagccttcc tccttaatcg agaggggcct taacattccc atggggaatc tcctggtgaa 240
 agtccttggg aacctttcca ttaacggggc atccgacgga aacccccgtc ccgagaattt 300
 ccttaaggct gccctgagg gccttcgcca ttgacctcgg gcttaaaacc ctagggatct 360
 cgatgacgtc gtctagcgaa aagttgcccg tgggcttgaa ggtcttcggt ttcttggggg 420
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<210> 7809

<211> 381

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b09a1

<400> 7809

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 gtcggacgta ttccacaacc cgggtggctt ggacttggcc atgaagcttc actaccttag 180
 agtgggtgtac ttctttgata gtgaggctgc acaagaccta accatcatga aaattaagga 240
 tggcatgttc actttgttca accattactt catcacctgt ggccgggttcc ggcgatcgga 300
 ttccggtcga cccttaatca agtgcaatga ttgtggagca aggttcattg aggccaagtg 360
 caacaaaacc ctagatgagt g 381

<210> 7810

<211> 447

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b09d1

<400> 7810

aaaacaataa attttgtttt acaaactgaa agttttcctt gctcacagat ccctcaaata 60
 aaaaagaaat ttattcatta acaaattttt aatgcgtggt tgggtattcg acgaaccaac 120
 attggggaaa aatgaagttt gcaaaagcat ttccatcatt ccttttgggt taatatacgg 180
 ttgaccattg aatttaaaat tgaaattcgg gctaacaaga tgaacggaaa gtcaaactg 240
 cttttaatct cattaaaact taattattct caagcaaaag accaattatc ttgagctcaa 300
 atttaagctt caccatttca tcctccggaa aaatcatggg cagaaaacttc ccattaacac 360
 cattctccat agaacctttg ggcaatggat tccccaaaac aacccttaa tttccaacac 420
 cttgaagggt gtagtaaaca aactttg 447

<210> 7811

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089b10a1

<400> 7811

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agaagagagt gtagtgcatg atgtgaggct atcctcagtt gggccggggc gggccaccgg 120
 gtcggacgta ttccacaacc cgggtggctt ggacttggcc atgaagcttc actaccttag 180
 agtgggtgtac ttctttgata gtgaggctgc acaagaccta accatcatga aaattaagga 240
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 caacaaaacc ctagatgagt ggctagccat gaaggattgg cccttgacaa gttgctcgtc 420
 ttccaccaag gcattggccc agaactatct tttctcttc ctgtttgttc caggtgacta 480
 aatttaagt 489

<210> 7812
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220089b10d1
 <400> 7812

aaaacaataa attatgtatt acaaactgaa agttttcctt gtcacaaat ccctcaaata 60
 aaaaagaaat ttattcatta acaaattttt aatgctgtgt tgggtattca acgaaccaac 120
 attggggaaa aatgaagttt gcaaaagcat ctccataatt ccttttgggt aaatatacgg 180
 gggaccattg aatttaaaat tgaaattcgg gctaacaaga tgaacggaaa gccaaacatg 240
 cttttaatcc cattaaaact taattattct caagcaaaag accaattatc ttgagctcaa 300
 atttaagctt caccatttca tcctccggaa aaatcatggc caaaaacttc ccatcaacac 360
 cattttccat agaacctttg ggcaatggat tcaccaaaac aacccttta tttccaacac 420
 cttgaagggt gttgcaaaca aactttgggg ggg 453

<210> 7813
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220089b11a1
 <400> 7813

actttcaact ttgcagagag ctttatgagc ttgtagtagc agagtgggga ggtaccaaac 60

agagcaattg aagttgaaca ttattaggtg ttctagatcc taggggtggca tctggaatca 120
 cactcttcaa tcaacaatga aattctggga cctattcttc gtggctctca tgccagtctt 180
 ggagaccctc ttgattactc tccttggttt attaattgca acccaacgat ttaatctcct 240
 gcgaagcggt gaagcaagga attatttaaa taatcttggtg ttttacatct tcaactccggc 300
 gctccttggt gctgatttgg ccgagacaat cacgttcaat cgattgggtg aaatgtgggt 360
 tttgttggtg aatataatth taacgttagg t 391

<210> 7814
 <211> 631
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220089b11d1
 <400> 7814

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 gtgggcgccc tgctcgtggg tgtctgaaat atcacgacaa gacactctta ccgcgttcta 120
 cacatcgtga tgcgtcactt acaaatcagt ttatgactat tccaacacaa atcgacccta 180
 caccactct gtcagtgaca ggccgagcag gcagatgcaa cctcgcacta aattacaggg 240
 atgcgtgaca ccgtccacgt aaggaacggg caccgggaag cgaggccact tgtggcagcg 300
 tagaatgctc atttcttgat aagagagcat tcaactctgag cattgctgag cgtggaccct 360
 tgtcgcaggg ggaagctgat actgtatctt cagaacggag agctgtagcg gatgcgatcc 420
 aatgaatccc caatagcatg ctgctgaagc tggcacaatg cccactgtag gtggaagtat 480
 gaaccgcgct gccatagtcc ctattgtcaa gacaatgcgt actgctgact tgatcaagcc 540
 attgagaaga ttggtgcaa ctaccaaagt cataggcaca atggtggcct cgcccactag 600
 agaagcagag ctgacattac acgaaaggga g 631

<210> 7815
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> Clone ID: jC-gmf102220089b12a1
 <400> 7815

actttcaact ttgcagagag ctttatgagc ttgtagtagc agagtgggga ggtaccaaac 60
agagcaattg aagttgaaca ttattaggtg ttctagatcc taggggtggca tctggaatca 120
cactcttcaa tcaacaatga aattctggga cctattcttc gtggtctetca tgccagtctt 180
ggagaccctc ttgattactc tccttgggtt attaattgca acccaacgat ttaatctect 240
gcgaagcggt gaagcaagga attattttaa taatcttgtg ttttacatct tcaactccggc 300
gctccttgtt gctgatttgg ccgagaacaa tcacgttcaa tcgattgggt gaaatgtggg 360
ttttggttgg tgaatatatt ttaacgttag tggttggctc cattctcggt tggatgctta 420
ataaaatcgc caaaaccccc aaacacctcc ggggtcttgt aat 463

<210> 7816
<211> 558
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220089b12d1
<400> 7816

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ggtatggggc aattacaaat catttttttt atatttcaaa acaatttgat cttacatata 120
tactggatat gatccccgtt tggcaaaaga aacccatgat taattttagt ctatacctgc 180
aacatgcaca tgaagaaggt gcaccaaaga gcgagactaa atgtcgcaat gaaatatgtc 240
catatcatga taagagaaca ttcactctca ccattcccgga gcatgtacaa ttgctgcagg 300
tggaagcgca tattgaagca taagaacata ttgatataac gaatacgatc cattgaatcc 360
cctataatat gctgctttta caatcaaaat acccaagata ggtgaaatta tgaaccgcac 420
taccataatc cctataatca agaaaatgct tattgctgac ttcttttaaac cattacgaag 480
atttgctaca actaccagag tcatagacac aattgtggcc tccccacta aagaagcaga 540
actgatgata acacgaaa 558

<210> 7817
<211> 379
<212> DNA
<213> Glycine max
<223> Clone ID: jC-gmf102220089c01d1

<223> Clone ID: jC-gmf102220089c03a1

<400> 7819

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 tgtgattggt aatttagtcc actcttcccc taatataaag aaagaagtcc ttctcgctgg 120
 agctttacaa ccggttattg gattacttag ttctgctgc tctgaaagcc agagagaagc 180
 agcattgtta cttggacaat ttgcagcaac tgattcagac tgcaagggtc acattgtaca 240
 gagagggtgt gtccaacctt tgatagagat gtttcagtct cctgatgtac agtcaggga 300
 aatgtctgct tttgcattgg ggagattggc ccaggaccca cataaccagg ctggtattgc 360
 acacaatggt ggcttagtgc cgctgctcaa gttctttgac tcanaaaatg gctctttgca 420
 acataatgct gcttttgctc tatatggcct ngcagataat gaggataatg cgtctgattt 480
 cataagggtg ggtggagtcc 500

<210> 7820

<211> 503

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c03d1

<400> 7820

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 atatacataa gggaaacaat atttacacct ataatacata agtcaacaat ggtaattccc 120
 tgaacgtagg catctgagag aagaactgtt aaatcatata gcagtcacat tgcattgagaa 180
 aaaaacaatg ttctgtgaagg tcatatttgc tatatctatg ataatgacgt tacagacaga 240
 aaggggctta cacctcattt aaaaagaaga agaagcatga ctccggcggt agatatttct 300
 tttagccaaa ctgtatacca tacaggagat tgctactaga gtcggtcggt ttgagagtgt 360
 gcctttgtaa gagctttaac gaagtaatta cggtatctctg gtgttatgct ctgaatcaga 420
 agagagtgcc ctggccttga actcaattta tcaaattgct ccaagataaa aaggatgcat 480
 gcatgcctca atgatattgc gtt 503

<210> 7821

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: jC-gmf102220089c04a1

<400> 7821

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 actgagtcct tctgttgcgg gggaagggca aaataatggc cttgttatga acttctacaa 120
 ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg 180
 ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag 240
 ttgtgatgct tcaactgttg tggactccac aagaaggagc ttgtctgaga aggaaacaga 300
 tagaagctnt gggttgagaa atttcaggta cattgagacc atcaaagaag ctttggaaag 360
 agaatgccct ggagttgttt catgtgctga taccctcggt ctctctgccca gagatggcaa 420
 ttgttcgcta ggaggtcccc atatccctct taagactgga agaagggat 469

<210> 7822

<211> 489

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c04d1

<400> 7822

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 aaacatagcc tcttaatcct cccatcccca tgaacctgca gtgggtctcg ttcattgaac 120
 cagcccattt aaaggaaaag accttaatta ttttttgcac aatatattac agattttctt 180
 cctcgatcat agacaagggg aggaaaattc aagggtcctg atcatgggtgc ttgttggcaa 240
 cattgcactg ctttctgacc tcaccctttg tgccagttag aggggttggtc tctgagagca 300
 aggtaatggc tctagagaac tccttgaaga aatagtcttg gctcttggcc attttcttca 360
 cataaggctt ggtcctcttg tcattggcta gttggtgatc cactatcaag agacccttgc 420
 tgtctaacat gtccctgaag aatatgttgt ctagaatcat gggagtgccca cgggtccgttt 480
 tcacgtact 489

<210> 7823

<211> 469

<212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089c05a1

<400> 7823

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 tactacatat tacttggttt gtaaaatata tatgcagtag tagccaacat accaggacag 120
 aatgaaatga atgaatgacc ctttgaacct tttttatact ttgggagtta gcatgcatgc 180
 ctggtggtga ccacagtggg ttgattatgc tgttattaac aacaggggat ttggattttt 240
 tctgaggggg agaacaacaa aaactagtag tatccttaaa agagaggaga gatccttgct 300
 tgcttgagag tttccaaaaa ttttgaatt tcagaaaaaa aaattgaccc aattggtcca 360
 aatccccaca attctaattcc ccctatcaaa agtccaaaat acacgcaatt ttcaagagca 420
 gagagagacg aacaagtaca tgaaatggga gacatagcag aggaaaaaac 469

<210> 7824
 <211> 478
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089c05d1

<400> 7824

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 ttgctaagct gtctttgtta cttgatgacc caaacatgac ttttctaatt aataaaaatt 120
 tacaatgcaa atacgggggg aaccatttct agatttcatt gggagccttg ccctgtttt 180
 tcctctgcta tggtcccat ttcattgact tgttcgtctt tctctgcttt tgaaaattgc 240
 gtgtattttg gacttttgat agggggatta gaattggggg gatttggacc aattgggtca 300
 attttttttt ctgaaattcc aaaatttttg gaaactctca agcaagcaag gatctctcct 360
 ctcttttaag gatactacta atttttgggg ctctccccct tagaaaaaat ccaaattccc 420
 tgttgatgaat aaccgcttaa tcaatccact tggggcacca ccaggcatgc atgctaac 478

<210> 7825
 <211> 471
 <212> DNA
 <213> Glycine max

<223> Clone ID: jC-gmf102220089c06a1

<400> 7825

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tttgacaaca aatgaataat ttttatgaaa aatcaacaac agtttaagaa aaaagtagta   60
caattttttt aaatgtaaaa ttgtaggatt catgcaccca caaacaagaa acaagaacaa  120
attgcttata tttctaaacg agttgaccac aatccggtca acaaactgga tgccccaagg  180
ccctacgtta ttattcttct tctctactat tccatataaa aaaagatcac cacacaaaga  240
actccacgtt ctgatggcat atatatatat agtctatagg cccttcatag tggcccaaca  300
tcagtgatat ggctctggct ttggcagacc cttcactacg ccacaaagca acgcgtagtc  360
cgggatgttg tactcgtccc tcagagaacg ctcaggagtt agaacactga tgtacaaatt  420
gtgtcccagt agcgattctc agcaagctcg gacctcaagt tcacacccaa c          471

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<210> 7826

<211> 523

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c06d1

<400> 7826

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cacactgtaa gtaaataaaa tcgaaattta gacaagacat catgggtggg gtaacatcgt   60
tactaatgtt gctatgtctc ttcgcagggg ctatgtcccc tgtgaagggt gaagaccctt  120
actttttttt cacatggaat gtcacctatg gcacccttta tccagccggt gtgccccaac  180
aggttattct aatcaacaat gaattctctg taccacccat ctatgacgcc atactcatga  240
atatctgcta tattgaattg ctgatecttg ccaagccctt gcttttccat tgggccgctg  300
tccagcacag gatgaatagt tggaaagatg gtgtcgtcgg cgccaattgc cctatccaac  360
caggcacaga ctacacgtac cacttccagg tgaaggacca aatcggtagc ttcttctact  420
accctagcct aggggttgag cgtgctgccg gaggcttcgg cggcctccgc atcaacagcc  480
gcctcctcat ccagtcctt tatgctgac ccgaggatga cta          523

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<210> 7827

<211> 486

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c07a1

<400> 7827

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ggagaagtga atgctgagct tcttgacacc caagtgaatc ctgctgtgtg ggaaattagt   60
ggacacatgg ttttaaagag gaggaaggat tatgatgagg cgtctgaagg caatgcttgg   120
aggcttcttg ctgaggtgtc cctttctcaa gagaggtttc aagaagtcaa tgatcttggt   180
tttgaagcca ttggctgtgg tgaattggag gatgtcaatg ttcaaagtgt caaaaaagaa   240
gttgatgcag tcagcacaag cgaacaccct actgtggtgg tgggtggctgg ttcacaagaa   300
tgtgtggttc tacagtaaca aggctcttgt attttgaaca aattcagaaa atctgcagtg   360
ttttaagaat aattgctgaa atgtgtcacc gtttaagtca tactattgcc ttgtgcttga   420
gccttatggt cgtgtgtggt gaatgtatat gcttttatct gcctttatga cactttcatg   480
tgaaag                                           486

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<210> 7828

<211> 414

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c07d1

<400> 7828

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accaacaaca cttctcagct gagcagttat tatatctgac tttcacatga aagggttata   60
aaggcagata aaagctttta cattcaacac acacgaccat aagggtcaag cccaagggaa   120
tagtatgact taaacgggga cacatttcag caattttttt taaaacactg gaaattttct   180
gaatttggtc aaaatacaag agccttggtta ctggaaaacc ccacattttt gggaaccagc   240
caccaccacc acagtagggg gttcgtttgg gctgactgga ttaacttctt ttttgacact   300
ttgaacattg acattctcca atttaccaca gccaatgggt tcaaaaacaa gatcattgac   360
tttttgaaac cttttttgag aaaggacac ctcagcaaga agccttcaag catt           414

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<210> 7829

<211> 512

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c08a1

<400> 7829

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 gtgcaagttc ccaaagaatt tgggatacaa gttgagattc actgtcactt atatatcttc 180
 atttctggac tattatttag cggttcctgc aattgttcat tcttaaagca ttttcttgtg 240
 tgatttaact ttttaagtaac ttacatggtt acaaactttt taaatattcg tcgtcttctt 300
 cttttttttt ttaatatattg accattttcta tccctcagtc ttacaaattg gattgctgcc 360
 ttaccaatac ggatgctcat gtaactgggtg gctctgagga tggcttcac tttttttggg 420
 atcttgtaga tgcactctgtt gtttcaagat tcagggctta tacctcaatg gtaacaagtg 480
 ttaggtatca tccaaaggaa aactgcatgg ta 512

<210> 7830

<211> 458

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c08d1

<400> 7830

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 tctacctcaa tcaataattt gaacaaaagg gttttctttt cccaaacgat gggggcccaca 120
 aattcgaaaa agtttgagct ggggttagatc aatggaaaaa cccagccac ggattgaatg 180
 aatcacagca aagatttgga gctacataag agcattgcag gaactagttt tccaactatt 240
 ccagttgact cccagatcaa aaactccata taacggatgc aataaaaact cattttcaca 300
 acataacgga ttgtttacaa aacattttcc ttttatggac acctgggaat aattcaatac 360
 cctatccctt tcggagacag aagggtcaaaa aatgtgggagc atttgaccgc ttttaagaaa 420
 gatgctgtaa ccaacaaaact ccccttgctt ttaccatt 458

<210> 7831

<211> 479

<212> DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220089c09a1